

Title

PROCESSING A REQUEST FOR AN IP RIGHT

Field of the Invention

5 The present invention relates to a process, system and server for filing a national patent application.

A reference herein to "IP" means "intellectual property".

10 A reference herein to "IP" includes each type of IP that may be applied for, by at least one applicant, to an administrative body. By way of example only, three types of such IP include patents, trade marks and designs.

A reference herein to an "IP right" includes a reference to an application for an IP right ("IP application") and, or alternatively, to an IP right that has been granted, issued, registered or otherwise bestowed ("IP grant").

15 A reference herein to an "international IP right" includes a reference to an IP right that has the effect of designating one or more countries, groups of countries or regions from which at least one selection may be made of the countries, groups of countries or regions in which to file a national IP application based on the international IP right. It includes, by way of example only, an international application filed under the provisions of the Patent Cooperation Treaty (PCT), a European patent application, filed under the provisions of the European Patent Convention, a Eurasian patent application, a patent application filed in OAPI and a patent application filed in ARIPO,

20 A reference herein to a "national IP right" includes a reference to an IP right that has the effect of an IP right in a country, group of countries or region. A national IP right may be a "national IP application" or a "national IP grant". It includes, by way of example only, a European patent application, filed under the provisions of the European Patent Convention, a Eurasian patent application, a patent application filed in OAPI, a patent application filed in ARIPO, as well as a patent application filed in an individual country, and patents that may be granted on, or from, such applications.

25 A reference herein to an "administrative body" includes a reference to a server of an administrative body and any agent or facility, or server of any agent or facility, able to receive requests for, or on behalf of, an administrative body,

30 Throughout this specification, unless the context requires otherwise, the word "comprise" or variations such as "comprises" or "comprising", and the word "include" or variations such as "includes" or "including", will be understood to imply the inclusion of a stated integer or group of integers but not the exclusion of any other integer or group of integers.

35 The headings in this specification are provided to assist the reader, and are not to be interpreted so as to narrow or limit the scope of the disclosure in the description, claims, abstract or drawings.

Disclosure of the Invention

Process Generic Statements

40 In accordance with one aspect of the present invention there is provided a process for filing a request with an administrative body comprising

receiving at least some data pertaining to at least one IP right,

accessing at least one data store using at least some of the data received pertaining to the at least one IP right,

retrieving information pertaining to the at least one IP right from the data store,
verifying the ability to file the request based on at least some of the information retrieved from the data store,
sending a message to file the request with the administrative body,
5 receiving electronic acknowledgement in response to the message sent, and
issuing a notification pertaining to the filing of the request with the administrative body.

Preferably, receiving at least some data pertaining to the at least one IP right comprises receiving data that uniquely identifies the at least one IP right.

10 More preferably, receiving at least some data pertaining to at least one IP right comprises receiving a number that uniquely identifies the at least one IP right.

Receiving at least some data pertaining to at least one IP right may further comprise receiving data to identify the purpose of the request.

15 The process may further comprise requesting input of visual indicia prior to accessing the at least one data store. Accessing at least one data store using at least some of the data received pertaining to the at least one IP right may comprise accessing an authoritative data store containing information pertaining to a plurality of IP rights

Alternatively, accessing at least one data store using at least some of the data received pertaining to the at least one IP right may comprise accessing a local data store cache containing information pertaining to a plurality of IP rights.

20 More preferably, accessing at least one data store using at least some of the data received pertaining to the at least one IP right comprises first accessing an authoritative data store containing information pertaining to a plurality of IP rights, and, when access to the authoritative data store is determined to be not available, accessing a local data store cache containing information pertaining to a plurality of IP rights.

25 Preferably, the authoritative data store is maintained by an administrative body.

Preferably, the process further comprises providing at least some of the information retrieved from the data store to the user and requesting the user to confirm that the at least some information provided to the user pertains to the at least one IP right.

30 Preferably, the process further comprises receiving confirmation from the user that the at least some information provided to the user pertains to the at least one IP right.

Preferably, verifying the ability to file the request based on at least some of the information retrieved from the data store comprises verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed.

35 Verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed may comprise verifying that the request has previously not been filed with the administrative body.

Verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed may, additionally or alternatively, comprise verifying that the request has previously not been actioned by the administrative body.

40 Furthermore, verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed may, additionally or alternatively, comprise verifying compliance with regulatory requirements as required by the administrative body.

45 Preferably, the process further comprises transforming at least some of the retrieved information pertaining to the at least one IP right after verifying the ability to file the request, based on the information retrieved from the data store, to thereby create formatted data.

Preferably, transforming at least some of the retrieved information pertaining to the at least one IP right comprises transforming the information pertaining to the IP right that is required to file the request with the administrative body.

5 Preferably, sending a message to file the request with the administrative body comprises sending data to identify the at least one IP right and the purpose of the request.

Preferably, sending a message to file the request with the administrative body comprises sending the formatted data.

Receiving at least some data pertaining to at least one IP right may further comprise receiving at least one document file.

10 Preferably, sending a message to file the request with the administrative body includes sending at least one document file.

Preferably, receiving electronic acknowledgement in response to the message sent comprises receiving electronic acknowledgement that includes a unique identifier to identify the message sent.

15 Preferably, the process further comprises processing the electronic acknowledgement received in response to the message sent.

Preferably, processing the electronic acknowledgement received in response to the message sent comprises storing the electronic acknowledgement in an IP management software database.

Preferably, the process further comprises storing data pertaining to the request contained in the electronic acknowledgement received in response to the message sent.

20 Preferably, storing data pertaining to the request contained in the electronic acknowledgement received in response to the message sent comprises storing the unique identifier.

Preferably, issuing a notification pertaining to the filing of the request with the administrative body comprises issuing a notification that includes the unique identifier.

25 The request, for example, may comprise an application for an IP right (including a national patent application based on an international patent application), a request for examination of an IP right, payment of a grant, registration or issue fee for an IP right, renewal of an IP right, request for amendment of an IP right, any other request or notice that may be filed in relation to an IP right and miscellaneous correspondence in relation to an IP right.

Process e-Filing

30 In one embodiment, sending a message to file the request with the administrative body comprises sending an electronic message to file the request with the administrative body.

The following statements apply in cases where the message sent to file the request with the administrative body comprises an electronic message.

35 Preferably, the process further comprises encrypting the formatted data prior to sending the formatted data.

Preferably, receiving electronic acknowledgement in response to the electronic message sent comprises receiving confirmation of the filing of the request with the administrative body.

Preferably, receiving confirmation of the filing of the request with the administrative body comprises receiving a unique identifier to identify the filing of the request.

40 Preferably, receiving electronic acknowledgement in response to the electronic message sent comprises receiving an electronic filing receipt confirming the filing of the request with the administrative body.

45 Preferably, issuing a notification pertaining to the filing of the request with the administrative body comprises issuing an electronic filing receipt confirming the filing of the request with the administrative body.

Preferably, sending an electronic message to file the request with the administrative body comprises sending the electronic message to the administrative body.

Preferably, receiving electronic acknowledgement in response to the message sent comprises receiving electronic acknowledgement from the administrative body in response to the electronic message sent.

Process Fax-Filing

In this specification, a reference to a 'facsimile transmission message' shall include a message that facilitates the sending of a facsimile transmission to a receiving facsimile machine.

In another embodiment, sending a message to file the request with the administrative body comprises sending a facsimile transmission message, comprising at least one document file, to file the request with the administrative body.

The following statements apply in cases where the message sent to file the request with the administrative body comprises a facsimile transmission message comprising at least one document file.

Preferably, transforming at least some of the retrieved information pertaining to the at least one IP right after verifying the ability to file the request, based on the information retrieved from the data store, to thereby create formatted data comprises creating the at least one document file.

Preferably, receiving electronic acknowledgement in response to the facsimile transmission sent comprises receiving confirmation of the transmission of the facsimile transmission message.

Preferably, receiving confirmation of the transmission of the facsimile transmission message comprises receiving a unique identifier to identify the transmission of the facsimile transmission message.

In one embodiment, sending a facsimile transmission message, comprising at least one document file, to file the request with the administrative body comprises sending the facsimile transmission message to the administrative body.

Preferably, receiving electronic acknowledgement in response to the facsimile transmission message sent comprises receiving confirmation of the transmission of the facsimile transmission message sent to the administrative body.

Preferably, receiving confirmation of the transmission of the facsimile transmission message sent comprises receiving a unique identifier to identify the transmission of the facsimile transmission message sent to the administrative body.

In another embodiment, sending a facsimile transmission message, comprising at least one document file, to file the request with the administrative body comprises sending the facsimile transmission message to a third party and directing the third party to on-send the at least one document file by facsimile transmission to the administrative body.

In the latter embodiment, receiving electronic acknowledgement in response to the facsimile transmission message sent to the third party may comprise receiving confirmation of the transmission of the facsimile transmission message sent to the third party.

Preferably, receiving confirmation of the transmission of the facsimile transmission message sent to the third party comprises receiving a unique identifier to identify the transmission of the facsimile transmission message sent to the third party.

Alternatively, or in addition, receiving electronic acknowledgement in response to the facsimile transmission message sent to the third party may comprise receiving confirmation of the transmission of the at least one document file to the administrative body.

Preferably, receiving confirmation of the transmission of the at least one document file to the administrative body comprises receiving a unique identifier to identify the transmission of the at least one document file to the administrative body.

Preferably, issuing a notification pertaining to the filing of the request with the administrative body comprises issuing a message confirming the transmission of the at least one document file to the administrative body.

Process Requests Other than NPE Apn

- 5 The following statements apply in cases where the request is other than a request for a national IP application based on an international IP application, where the IP is a patent e.g. a request other than a request to file a national patent application or a request to enter the national or regional phase of an international patent application.

The request is a request in relation to the at least one IP right.

- 10 Preferably, accessing an authoritative data store containing information pertaining to a plurality of IP rights comprises accessing an authoritative data store maintained by the administrative body with which the request is to be filed.

- 15 More preferably, accessing at least one data store using at least some of the data received pertaining to the at least one IP right comprises first accessing an authoritative data store, maintained by the administrative body with which the request is to be filed, containing information pertaining to a plurality of IP rights, and, when access to the authoritative data store is determined to be not available, accessing a local data store cache containing information pertaining to a plurality of IP rights.

- 20 Preferably, retrieving information pertaining to the at least one IP right from the data store comprises retrieving information pertaining to the at least one IP right from the group comprising: the application number, publication number, grant, issue or registration number, priority date, filing date, publication date, request for examination status, grant, issue or registration fee payment status, renewal, annuity, maintenance or continuation fee payment status, grant, issue or registration date, title or subject matter of the IP right, applicant, and owner.

Process Request is NPE Apn

The following statements apply in cases where the request is a request for a national IP application based on an international IP right. The request is a request in relation to a national IP application to be based on the at least one IP right. The at least one IP right is an international IP right. The IP may be a patent.

- 30 An example of such a request is a request to file a national patent application, or a request to enter the national or regional phase, of an international patent application. That is, in such cases, the applicable type of IP is a patent, the at least one IP right is an international patent application filed under the provisions of the Patent Cooperation Treaty (PCT) and the request is a request to file a national or regional phase patent application based on that international patent application.

- 35 Preferably, accessing an authoritative data store containing information pertaining to a plurality of IP rights comprises accessing an authoritative data store maintained by an administrative body other than the administrative body with which the request is to be filed.

- 40 More preferably, accessing at least one data store using at least some of the data received pertaining to the at least one IP right comprises first accessing an authoritative data store, maintained by an administrative body other than the administrative body with which the request is to be filed, containing information pertaining to a plurality of IP rights, and, when access to the authoritative data store is determined to be not available, accessing a local data store cache containing information pertaining to a plurality of IP rights.

- 45 Preferably, retrieving information pertaining to the at least one IP right from the data store comprises retrieving information pertaining to the at least one IP right from the group comprising: the application number, publication number, priority date, filing date, publication date, title or subject matter of the IP right, applicant, countries designated, language of the patent specification as filed, and language of the patent specification as published.

- 50 Preferably, sending at least one document file comprises sending at least one document file to comply with regulatory requirements to validly file the national patent application.

Preferably, the process further comprises receiving at least some data pertaining to selectable options pertaining to the national patent application.

5 Preferably, the at least some data pertaining to selectable options is selected from the group comprising: amendment of applicant, amendment of title, amendment of inventor, amendment of specification, and amendment of claims.

Preferably, issuing a notification pertaining to the filing of the national patent application comprises issuing a notification containing explanatory text based on the at least some data pertaining to the selectable options.

System Generic Statements

10 In accordance with another aspect of the present invention there is provided a system for filing a request with an administrative body comprising

a communications interface to send communications to an administrative body,

a server connectable to a data communications network, the server including

a primary module to receive at least some data pertaining to at least one IP right,

15 a data gateway module operatively coupled to the primary module, to access information pertaining to the at least one IP right in response to a data query from the primary module containing at least some of the data received by the primary module,

20 a verification module operatively coupled to the primary module to verify the ability to file the request based on at least some of the information accessed by the data gateway module,

25 a communications module operatively coupled to the primary module to send a message, containing data identifying the at least one IP right, via the communications interface to file the request with the administrative body, the communications module able to receive electronic acknowledgement via the communications interface in response to the message sent, and

wherein the primary module is able to issue a notification pertaining to the filing of the request after receipt of the electronic acknowledgement.

30 Preferably, the primary module is able to receive at least some data pertaining to at least one IP right that uniquely identifies the at least one IP right.

Preferably, the primary module is able to receive a number that uniquely identifies the at least one IP right.

Furthermore, the primary module may be able to receive data that identifies the purpose of the request.

35 Preferably, the server further comprises a visual input request module to request input of visual indicia prior to the data gateway module being able to access information pertaining to the at least one IP right.

Preferably, the system further comprises a data store containing information pertaining to a plurality of IP rights, and wherein the data gateway module is able to access the data store.

40 The data store may be an authoritative data store, and the data gateway module is arranged to access the authoritative data store.

Alternatively, the data store may be a local data store cache and the data gateway module is arranged to access the local data store cache.

45 Preferably, the data store comprises an authoritative data store and a local data store cache, wherein the server further comprises an availability determination module operatively coupled to the data gateway module to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, and wherein the data gateway module is able to

access information pertaining to the at least one IP right in at least one of the authoritative data store and the local data store cache based on a determination of the availability of the authoritative data store.

Preferably, the authoritative data store is maintained by an administrative body.

- 5 Preferably, the server further comprises an application download module operatively coupled to the data gateway module to download information pertaining to the at least one IP right from the authoritative data store.

- 10 Preferably, the primary module is able to provide at least some of the information accessed by the data gateway module to the user and request the user to confirm that the at least some of the information provided to the user does pertain to the at least one IP right.

Preferably, the primary module is able to receive confirmation from the user that the at least some of the information provided to the user does pertain to the at least one IP right.

- 15 Preferably, the verification module is able to verify the ability to file the request based on at least some of the information accessed by the data gateway module by verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed.

The verification module may be able to verify that the request has previously not been filed with the administrative body.

The verification module may be able to verify that the request has previously not been actioned by the administrative body.

- 20 The verification module may be able to verify that the request complies with regulatory requirements as required by the administrative body.

Preferably, the server further comprises a transformation module operatively coupled to the communications module to transform at least some of the retrieved information pertaining to the at least one IP right into formatted data.

- 25 Preferably, the transformation module is able to transform at least some of the retrieved information pertaining to the IP right to thereby transform the information that is required to file the request with the administrative body.

- 30 Preferably, the communications module is able to send a message, to file the request with the administrative body, that includes data to identify the at least one IP right and the purpose of the request.

Preferably, the communications module is able to send a message, to file the request with the administrative body, that includes the formatted data.

Preferably, the primary module is able to receive at least some data pertaining to at least one IP right as at least one document file.

- 35 Preferably, the communications module is able to include at least one document file with the message sent via the communications interface to file the request with the administrative body.

Preferably, the communications module is able to receive electronic acknowledgement that includes a unique identifier to identify the message sent.

- 40 Preferably, the server further comprises an acknowledgement processing module operatively coupled to the primary module to process the electronic acknowledgement.

Preferably, the acknowledgement processing module is able to store the electronic acknowledgement in an IP management software database.

Preferably, the acknowledgement processing module is able to store data pertaining to the request contained in the electronic acknowledgement in an IP management software database.

- 45 More preferably, the acknowledgement processing module is able to store the unique identifier.

Preferably, the primary module is able to include the unique identifier in the notification it issues pertaining to the filing of the request.

- The request, for example, may comprise an application for an IP right (including a national patent application based on an international patent application), a request for examination of an IP right, payment of a grant, registration or issue fee for an IP right, renewal of an IP right, request for amendment of an IP right, any other request or notice that may be filed in relation to an IP right and miscellaneous correspondence in relation to an IP right.

System e-Filing

In one embodiment, the communications module is arranged to send the message, containing data identifying the at least one IP right via the communications interface to file the request with the administrative body, as an electronic message.

- 10 The following statements apply in cases where the message sent to file the request with the administrative body comprises an electronic message.

- 15 Preferably, the server further comprises an encryption module, operatively coupled to the transformation module, to encrypt the formatted data, and the encryption module is operatively coupled to the communications module such that the encrypted data is included in the electronic message sent by the communications module.

Preferably, the communications module is able to receive electronic acknowledgement that includes acknowledgement of the filing of the request with the administrative body.

- 20 Preferably, the communications module is able to receive acknowledgement of the filing of the request with the administrative body that includes a unique identifier to identify the filing of the request.

Preferably, the communications module is able to receive electronic acknowledgement that includes an electronic filing receipt confirming the filing of the request with the administrative body.

- 25 Preferably, the primary module is able to issue a notification pertaining to the filing of the request that includes an electronic filing receipt confirming the filing of the request with the administrative body.

Preferably, the communications module is able to send the electronic message, containing data identifying the at least one IP right, via the communications interface to the administrative body to thereby file the request with the administrative body.

- 30 Preferably, the communications module is able to receive the electronic acknowledgement from the administrative body.

System Fax-Filing

In another embodiment, the communications module is arranged to send the message, containing data identifying the at least one IP right via the communications interface to file the request with the administrative body, as a facsimile transmission message comprising at least one document file.

- 35 The following statements apply in cases where the message sent to file the request with the administrative body comprises a facsimile transmission message comprising at least one document file.

- 40 Preferably, the transformation module is able to transform at least some of the retrieved information, pertaining to the at least one IP right, into formatted data comprising the at least one document file.

Preferably, the communications module is able to receive electronic acknowledgement that includes confirmation of the transmission of the facsimile transmission message.

- 45 Preferably, the communications module is able to receive confirmation of the transmission of the facsimile transmission message that includes a unique identifier to identify the transmission of the facsimile transmission.

In one alternative embodiment, the communications module is able to send the facsimile transmission message, comprising at least one document file, to the administrative body.

Preferably, in the latter alternative embodiment, the communications module is able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the administrative body, as confirmation of the transmission of the facsimile transmission message sent to the administrative body.

- 5 Preferably, the communications module is able to receive confirmation of the transmission of the facsimile transmission message sent to the administrative body as a unique identifier to identify the transmission of the facsimile transmission sent to the administrative body.

10 In another alternative embodiment, the communications module is able to send the facsimile transmission message, comprising at least one document file, to a third party with a direction to the third party to on-send the at least one document file by facsimile transmission to the administrative body.

15 In the latter alternative embodiment, the communications module may be able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the third party, as confirmation of the transmission of the facsimile transmission message sent to the third party.

Preferably, the communications module is able to receive confirmation of the transmission of the facsimile transmission message sent to the third party as a unique identifier to identify the transmission of the facsimile transmission message sent to the third party.

20 Alternatively, in the latter alternative embodiment, the communications module may be able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the third party, as confirmation of the transmission of the at least one document file to the administrative body.

25 Preferably, the communications module is able to receive confirmation of the transmission of the at least one document file to the administrative body as a unique identifier to identify the transmission of the at least one document file to the administrative body.

Preferably, the primary module is able to issue the notification pertaining to the filing of the request to thereby confirm the transmission of the at least one document file to the administrative body.

System Requests Other than NPE Apn

30 The following statements apply in cases where the request is other than a request for a national IP application based on an international IP application, where the IP is a patent e.g. a request other than a request to file a national patent application or a request to enter the national or regional phase of an international patent application.

The request is a request in relation to the at least one IP right.

35 Preferably, the data gateway module is arranged to access an authoritative data store maintained by the administrative body with which the request is to be filed.

40 More preferably, the availability determination module is able to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, wherein the authoritative data store is maintained by the administrative body with which the request is to be filed, and wherein the data gateway module is able to access information pertaining to the at least one IP right in at least one of the authoritative data store and the local data store cache based on a determination by the availability determination module of the availability of the authoritative data store.

45 Preferably, the data gateway module is arranged to access information, pertaining to the at least one IP right from the data store, from the group comprising: the application number, publication number, grant, issue or registration number, priority date, filing date, publication date, request for examination status, grant, issue or registration fee payment status, renewal, annuity, maintenance or continuation fee payment status, grant, issue or registration date, title or subject matter of the IP right, applicant, and owner.

50 The verification module is able to verify the ability to file the request based on whether the request has not previously been filed with the administrative body.

Alternatively, or in addition, the verification module is able to verify the ability to file the request based on whether the request has not previously been actioned by the administrative body.

System Request is NPE Apn

5 The following statements apply in cases where the request is a request for a national IP application based on an international IP right. The request is a request in relation to a national IP application to be based on the at least one IP right. The at least one IP right is an international IP right. The IP may be a patent.

10 An example of such a request is a request to file a national patent application, or a request to enter the national or regional phase, of an international patent application. That is, in such cases, the applicable type of IP is a patent, the at least one IP right is an international patent application filed under the provisions of the Patent Cooperation Treaty (PCT) and the request is a request to file a national or regional phase patent application based on that international patent application.

Preferably, the data gateway module is arranged to access an authoritative data store maintained by an administrative body other than the administrative body with which the request is to be filed.

15 More preferably, the availability determination module is able to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, wherein the authoritative data store is maintained by an administrative body other than the administrative body with which the request is to be filed, and wherein the data gateway module is able to access information pertaining to the at least one IP right in at least one of the authoritative data store and
20 the local data store cache based on a determination by the availability determination module of the availability of the authoritative data store.

Preferably, the data gateway module is arranged to access information, pertaining to the at least one IP right from the data store, from the group comprising: the application number, publication number, priority date, filing date, publication date, title or subject matter of the IP right, applicant,
25 countries designated, language of the patent specification as filed, and language of the patent specification as published.

Preferably, the verification module is able to verify the ability to file the national patent application in accordance with regulatory requirements.

30 Preferably, the communications module is able to include at least one document file, with the message sent via the communications interface to file the request with the administrative body, to comply with regulatory requirements to validly file the national patent application.

Preferably, the primary module is able to receive at least some data pertaining to selectable options pertaining to the national patent application.

35 Preferably, the primary module is able to receive at least some data pertaining to selectable options selected from the group comprising: amendment of applicant, amendment of title, amendment of inventor, amendment of specification, and amendment of claims.

Preferably, the primary module is able to include explanatory text in the notification based on the least some data pertaining to the selectable options.

Server Generic Statements

40 In accordance with a further aspect of the present invention there is provided a server connectable to a data communications network for use in filing a request with an administrative body comprising

a primary module to receive at least some data pertaining to at least one IP right,

45 a data gateway module operatively coupled to the primary module, to access information pertaining to the at least one IP right in response to a data query from the primary module containing at least some of the data received by the primary module,

a verification module operatively coupled to the primary module to verify the ability to file the request based on the information accessed by the data gateway module,

a communications module operatively coupled to the primary module to send a message, containing data identifying the at least one IP right, via the communications interface to file the request with the administrative body, the communications module able to receive electronic acknowledgement via the communications interface in response to the message sent, and

wherein the primary module is able to issue a notification pertaining to the filing of the request after receipt of the electronic acknowledgement.

Preferably, the primary module is able to receive at least some data pertaining to at least one IP right that uniquely identifies the at least one IP right.

Preferably, the primary module is able to receive a number that uniquely identifies the at least one IP right.

Furthermore, the primary module may be able to receive data that identifies the purpose of the request.

Preferably, the server further includes a visual input request module to request input of visual indicia prior to the data gateway being able to access information pertaining to the at least one IP right.

Preferably, the data gateway module is able to access a data store containing information pertaining to a plurality of IP rights.

The data store may be an authoritative data store.

Alternatively, the data store is a local data store cache.

Preferably, the data store comprises an authoritative data store and a local data store cache, wherein the server further comprises an availability determination module operatively coupled to the data gateway module to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, and wherein the data gateway module is able to access information pertaining to the at least one IP right in at least one of the authoritative data store and the local data store cache based on a determination of the availability of the authoritative data store.

Preferably, the authoritative data store is maintained by an administrative body.

Preferably, the server further comprises an application download module operatively coupled to the data gateway module to download information pertaining to the at least one IP right from the authoritative data store.

Preferably, the primary module is able to provide at least some of the information accessed by the data gateway module to the user and request the user to confirm that the at least some of the information provided to the user does pertain to the at least one IP right.

Preferably, the primary module is able to receive confirmation from the user that the at least some of the information provided to the user does pertain to the at least one IP right.

Preferably, the verification module is able to verify the ability to file the request based on at least some of the information accessed by the data gateway module by verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed.

The verification module may be able to verify that the request has previously not been filed with the administrative body.

The verification module may be able to verify that the request has previously not been actioned by the administrative body.

The verification module may be able to verify that the request complies with regulatory requirements as required by the administrative body.

Preferably, the server further comprises a transformation module operatively coupled to the communications module to transform at least some of the retrieved information pertaining to the at least one IP right into formatted data.

Preferably, the transformation module is able to transform at least some of the retrieved information pertaining to the IP right to thereby transform the information that is required to file the request with the administrative body.

5 Preferably, the communications module is able to send a message, to file the request with the administrative body, that includes data to identify the at least one IP right and the purpose of the request.

Preferably, the communications module is able to send a message, to file the request with the administrative body, that includes the formatted data.

10 Preferably, the primary module is able to receive at least some data pertaining to at least one IP right as at least one document file.

Preferably, the communications module is able to include at least one document file with the message sent via the communications module to file the request with the administrative body.

Preferably, the communications module is able to receive an electronic acknowledgement that includes a unique identifier to identify the message sent.

15 Preferably, the server further comprises an acknowledgement processing module operatively coupled to the primary module to process the electronic acknowledgement.

Preferably, the acknowledgement processing module is able to store the electronic acknowledgement in an IP management software database.

20 Preferably, the acknowledgement processing module is able to store data pertaining to the request contained in the electronic acknowledgement in an IP management software database.

More preferably, the acknowledgement processing module is able to store the unique identifier.

Preferably, the primary module is able to include the unique identifier in the notification it issues pertaining to the filing of the request.

25 The request, for example, may comprise an application for an IP right (including a national patent application based on an international patent application), a request for examination of an IP right, payment of a grant, registration or issue fee for an IP right, renewal of an IP right, request for amendment of an IP right, any other request or notice that may be filed in relation to an IP right and miscellaneous correspondence in relation to an IP right.

Server e-Filing

30 In one embodiment, the communications module is arranged to send the message, containing data identifying the at least one IP right via the communications interface to file the request with the administrative body, as an electronic message.

The following statements apply in cases where the message sent to file the request with the administrative body comprises an electronic message.

35 Preferably, the server further comprises an encryption module, operatively coupled to the transformation module, to encrypt the formatted data, and the encryption module is operatively coupled to the communications module such that the encrypted data is included in the electronic message sent by the communications module.

40 Preferably, the communications module is able to receive electronic acknowledgement that includes acknowledgement of the filing of the request with the administrative body.

Preferably, the communications module is able to receive acknowledgement of the filing of the request with the administrative body that includes a unique identifier to identify the filing of the request.

45 Preferably, the communications module is able to receive electronic acknowledgement includes an electronic filing receipt confirming the filing of the request with the administrative body.

Preferably, the primary module is able to issue a notification pertaining to the filing of the request that includes an electronic filing receipt confirming the filing of the request with the administrative body.

- 5 Preferably, the communications module is able to send the electronic message, containing data identifying the at least one IP right, via the communications interface to the administrative body to thereby file the request with the administrative body.

Preferably, the communications module is able to receive the electronic acknowledgement from the administrative body.

Server Fax-Filing

- 10 In another embodiment, the communications module is arranged to send the message, containing data identifying the at least one IP right via the communications interface to file the request with the administrative body, as a facsimile transmission message comprising at least one document file.

- 15 The following statements apply in cases where the message sent to file the request with the administrative body comprises a facsimile transmission message comprising at least one document file.

Preferably, the transformation module is able to transform at least some of the retrieved information, pertaining to the at least one IP right, into formatted data comprising the at least one document file.

- 20 Preferably, the communications module is able to receive electronic acknowledgement that includes confirmation of the transmission of the facsimile transmission message.

Preferably, the communications module is able to receive confirmation of the transmission of the facsimile transmission message that includes a unique identifier to identify the transmission of the facsimile transmission.

- 25 In one alternative embodiment, the communications module is able to send the facsimile transmission message, comprising at least one document file, to the administrative body.

Preferably, in the latter alternative embodiment, the communications module is able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the administrative body, as confirmation of the transmission of the facsimile transmission message sent to the administrative body.

- 30 Preferably, the communications module may be able to receive confirmation of the transmission of the facsimile transmission message sent to the administrative body as a unique identifier to identify the transmission of the facsimile transmission sent to the administrative body.

- 35 In another alternative embodiment, the communications module is able to send the facsimile transmission message, comprising at least one document file, to a third party with a direction to the third party to on-send the at least one document file by facsimile transmission to the administrative body.

- 40 In the latter alternative embodiment, the communications module may be able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the third party, as confirmation of the transmission of the facsimile transmission message sent to the third party.

Preferably, the communications module is able to receive confirmation of the transmission of the facsimile transmission message sent to the third party as a unique identifier to identify the transmission of the facsimile transmission message sent to the third party.

- 45 Alternatively, in the latter alternative embodiment, the communications module may be able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the third party, as confirmation of the transmission of the at least one document file to the administrative body.

Preferably, the communications module is able to receive confirmation of the transmission of the at least one document file to the administrative body as a unique identifier to identify the transmission of the at least one document file to the administrative body.

5 Preferably, the primary module is able to issue the notification pertaining to the filing of the request to thereby confirm the transmission of the at least one document file to the administrative body.

Server Requests Other than NPE Apn

10 The following statements apply in cases where the request is other than a request for a national IP application based on an international IP application, where the IP is a patent e.g. a request other than a request to file a national patent application or a request to enter the national or regional phase of an international patent application.

The request is a request in relation to the at least one IP right.

Preferably, the data gateway module is arranged to access an authoritative data store maintained by the administrative body with which the request is to be filed.

15 More preferably, the availability determination module is able to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, wherein the authoritative data store is maintained by the administrative body with which the request is to be filed, and wherein the data gateway module is able to access information pertaining to the at least one IP right in at least one of the authoritative data store and the local data store cache based on a determination by the availability determination module of the availability of the authoritative data store.

20 Preferably, the data gateway module is arranged to access information, pertaining to the at least one IP right from the data store, from the group comprising: the application number, publication number, grant, issue or registration number, priority date, filing date, publication date, request for examination status, grant, issue or registration fee payment status, renewal, annuity, maintenance or continuation fee payment status, grant, issue or registration date, title or subject matter of the IP right, applicant, and owner.

In one alternative, the verification module is able to verify the ability to file the request based on whether the request has not previously been filed with the administrative body.

25 In another alternative, the verification module is able to verify the ability to file the request based on whether the request has not previously been actioned by the administrative body.

Server Request is NPE Apn

30 The following statements apply in cases where the request is a request for a national IP application based on an international IP right. The request is a request in relation to a national IP application to be based on the at least one IP right. The at least one IP right is an international IP right. The IP may be a patent.

35 An example of such a request is a request to file a national patent application, or a request to enter the national or regional phase, of an international patent application. That is, in such cases, the applicable type of IP is a patent, the at least one IP right is an international patent application filed under the provisions of the Patent Cooperation Treaty (PCT) and the request is a request to file a national or regional phase patent application based on that international patent application.

40 Preferably, the data gateway module is arranged to access an authoritative data store maintained by an administrative authority other than the administrative authority with which the request is to be filed.

45 More preferably, the availability determination module is able to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, wherein the authoritative data store is maintained by an administrative body other than the administrative body with which the request is to be filed, and wherein the data gateway module is able to access information pertaining to the at least one IP right in at least one of the authoritative data store and

the local data store cache based on a determination by the availability determination module of the availability of the authoritative data store.

Preferably, the data gateway module is arranged to access information, pertaining to the at least one IP right from the data store, from the group comprising: the application number, publication number, priority date, filing date, publication date, title or subject matter of the IP right, applicant, countries designated, language of the patent specification as filed, and language of the patent specification as published.

Preferably, the verification module is able to verify the ability to file the national patent application in accordance with regulatory requirements.

Preferably, the communications module is able to include at least one document file, with the message sent via the communications interface to file the request with the administrative body, to comply with regulatory requirements to validly file the national patent application.

Preferably, the primary module is able to receive at least some data pertaining to selectable options pertaining to the national patent application.

Preferably, the primary module is able to receive at least some data pertaining to selectable options selected from the group comprising: amendment of applicant, amendment of title, amendment of inventor, amendment of specification, and amendment of claims.

Preferably, the primary module is able to include explanatory text in the notification based on the least some data pertaining to the selectable options.

Brief Description of the Drawings

The present invention will now be described, by way of example only, with reference to the accompanying drawings, in which:

Figure 1 is a schematic diagram illustrating an embodiment of a system in accordance with another aspect of the present invention that incorporates an embodiment of a server in accordance with a further aspect of the present invention.

Figure 2 is a flow chart illustrating an embodiment of the process for filing a patent application in accordance with an aspect of the present invention; and

Best Mode(s) for Carrying Out the Invention

An embodiment of the present invention will now be described with reference to Figures 1 and 2 of the drawings.

In these figures, there is shown a system 10 for filing a request with an administrative body 100.

In the present embodiment, the administrative body 100 is a national or regional IP office capable of receiving the request to be filed, or an agent acting for a national or regional IP office capable of receiving the request to be filed (hereinafter referred to as an "IP office").

The system 10 comprises a communications interface 11 and a server 15. The communications interface 11 enables the server 15 to access the administrative body 100 such that the request to be filed with the administrative body 100 is sent via the communications interface 11. The server 15 is connectable to a data communications network 102 via the communications interface 11.

The server 15 comprises modules to facilitate the filing of the request with the administrative body 100.

The server 15 comprises a primary module 17 to receive at least some data pertaining to at least one IP right (hereinafter referred to as the "IP right") from a user 104 and a data gateway module 19 that is operatively coupled to the primary module 17. The data gateway module 19 is able to access information pertaining to the IP right in response to a data query from the primary module containing at least some of the data received by the primary module 17 from the user 104.

The server also comprises a verification module 21 that is operatively coupled to the primary module 17. The verification module 21 is able to verify the ability to file the request based on at least some of the information accessed by the data gateway module 19.

The server 15 additionally comprises a communications module 23 that is operatively coupled to the primary module 17. The communications module 23 is able to send a message via the communications interface 11. The message sent by the communications module 23 contains data that identifies the IP right. Sending of the message by the communications module 23 results in, or causes, the filing of the request with the administrative body 100.

The communications module 23 is able to receive electronic acknowledgement in response to the message sent. The electronic acknowledgment is received via the communications interface 11. The primary module 17 is also able to issue a notification pertaining to the filing of the request after the electronic acknowledgment is received by the communications module.

The communications module 23 is able to send, the message to file the request, as an electronic message or as a facsimile transmission message, as will be later herein described in more detail.

In the case that the communications module 23 sends the message as an electronic message, the method of communication utilised is the TCP/IP protocol, and the protocol is used over the data communications network 102, which preferably is in the form of the Internet 17.

In the case that the communications module 23 sends the message as a facsimile transmission message, the method of communication may utilise a modem to access the communications network 102 which may be a traditional copper-based telephony network .

A user interface is provided to interface the server 15 with a user 104 via a web browser interface. The request/response cycle of a web browser interface is understood by a person skilled in the art.

In the present embodiment, the server 15 runs on CentOS <centos.org>, which is a linux variant. Alternatively, any other suitable operating system containing a communications stack may be utilised. To facilitate the web application interface, the Apache Tomcat <tomcat.apache.org> web server may be used. There are many alternative web server solutions, such as, for example, Sun™ Glassfish, Microsoft™ ASP or PHP.

In addition to receiving at least some data pertaining to the IP right from the user 104, the primary module 17 is also able to receive data from the user 104 that identifies the user 104 including contact and address details of the user 104.

The purpose of the request to be filed with the administrative body 100 may be, for example, an application for an IP right (including a national patent application based on an international IP right), a request for examination of an IP right, payment of a grant, registration or issue fee for an IP right, renewal of an IP right, request for amendment of an IP right, any other request or notice that may be filed in relation to an IP right and miscellaneous correspondence in relation to an IP right.

Data Input

The at least some data pertaining to the IP right that the primary module 17 is able to receive from the user 104 (hereinafter referred to as "IP right input data") should include data that uniquely identifies the IP right (hereinafter referred to as "IP right identifier data").

Preferably, the IP right identifier data is in the form of an application number or a publication number, as it is a common practice of IP offices worldwide to allocate unique a application number and or publication number to all IP rights they administer. However, the IP right identifier data received by the primary module may alternatively contain data other than the application and/or publication number, provided that it can uniquely identify the IP right. Furthermore, the IP right identifier data may include information additional to the application number or publication number if such additional information is required by the administrative body 100, to uniquely identify the IP right. Examples of additional information that may be required by some IP offices to uniquely identify the IP right include the type of IP right (such as patent, trade mark or design) and/or the country in which the IP right was filed.

Further, the IP right input data that the primary module 17 is able to receive from the user 104 may include data that identifies the purpose of the request. This may be in the form of a series of buttons identifying each request type allowing the user 104 to select the type of request by pressing the appropriate button.

- 5 Furthermore, the IP right input data that the primary module 17 is able to receive from the user 104 may include at least one document file. The document file, for example, may be in PDF format or RTF format.

To receive the IP right input data, the primary module 17 needs an input method to receive the data from the user 104. In the present embodiment, the primary module 17 presents a dialog, via a web page, to the user 104 at 1001, which acts as a prompt, or request, asking the user 104 to input the IP right input data. The user 104 then responds to this dialog prompt by submitting an input in the form of the IP right input data. An alternative for the primary module 17 to receive data that identifies the purpose of the request is to present a web page to the user 104 with options from which the user 104 is able to make a selection of the purpose of the request. The primary module 15 17 receives the IP right input data input and/or selected by the user 104.

If the IP right input data includes at least one document file, the user 104 may input the document file by uploading it via the web page and the primary module 17 will also receive it, at 1001.

The primary module 17 then performs some initial integrity checks at 1003, by checking that the IP right identifier data provided by the user 104 conforms to the format and content for the IP right identifier data required by the administrative body 100.

By way of example, if the IP right is an international (PCT) patent application and the purpose of the request, to be filed with the administrative body 100, is to enter the national phase, i.e. filing a national phase patent application, the IP right identifier data may be either the international application number or the international publication number of the IP right. The international application number takes the format PCT/CCYYYY/NNNNNN and the international publication number takes the format WO/YYYY/NNNNNN where CC=country code, YYYY is the year, and NNNNNN is an identifying number. In this case, the integrity checks performed by the primary module 17 check that the IP right identifier data input by the user 104 conforms to either the international application number format or the international publication number format, or variants that are acceptable to the administrative body 100.

As the formats for IP right identifier data may change from time to time, the integrity checks by the primary module 17 should also be adapted, to reflect the IP right identifier data schemas in place.

If the initial integrity checks of the IP right identifier data input by the user 104 are satisfied, the primary module 17 sends a data query to a data gateway module 19 of the server 15. In this embodiment, the data query sent includes the IP right identifier data.

Access Data Store

The data gateway module 19 uses the data query received from the primary module 17 to access at least one data store DS at 1005. The data store DS contains information pertaining to a plurality of IP rights. The data store DS includes information pertaining to the IP right.

40 The data store DS contains various information pertaining to each IP right contained in the data store DS. For example, information contained in the data store DS for each IP right may include basic data relating to each IP right, information about actions that have occurred on the IP right and actions that are to occur in the future.

45 Examples of basic data relating to each IP right include the application number, publication number, grant/registration/issue number, applicant and/or owner, inventor and/or designer priority date, filing date, publication date, renewal status, title, abstract and scope of cover. By way of example, scope of cover may include the broadest claim when the IP type is a patent, the goods/services and international class when the IP type is a trade mark and a drawings figure when the IP type is a design. In the case of an international IP right, the basic data may also include identification of the language of the international IP right as filed and the language of the IP

right as published. For example, in the case of an international patent application filed under the provisions of the PCT, this includes the language of the patent specification.

Examples of actions that have occurred on the IP right and actions that are to occur in the future include filing a request for examination, payment of a grant, registration or issue fee, payment of a renewal fee (sometimes referred to as an annuity, continuation or maintenance fee), amendments, filing an application for another IP right based on the IP right, and any other action that may be taken in relation to the IP right. In the case of an international IP right, the basic data may also include identification of actions taken on the IP right under the provisions of the treaty giving rise to the international IP right. For example, in the case of an international patent application filed under the provisions of the PCT, this includes whether Chapter 2 of the PCT is applicable to that international patent application.

The information contained in the data store DS about actions that have occurred on the IP right and actions that are to occur in the future may be stored, for example, as "YES" flags or dates in cases where the actions have occurred, and "NO" flags or dates in cases where the actions are due to occur in the future.

The data store DS may comprise a local data store cache 25. The local data store cache 25 may be in the form of a MySQL Server. However, there are many alternative database systems that may be utilised, including products developed by Oracle™, Sybase™ or Microsoft™ SQL Server.

The MySQL database used includes indexed information pertaining to a plurality of IP rights.

The data store DS may also comprise an authoritative data store 106. An authoritative data store 106 contains information pertaining to a plurality of IP rights. The authoritative data store 106 may be maintained by an administrative body.

Depending upon the administrative body that administers the IP right, or the purpose of the request to be filed, the authoritative data store 106 may be one that is maintained by the administrative body 100, with which the request is to be filed, or one that is maintained by another administrative body.

For example, if the IP right is one that is administered by the administrative body 100, the administrative data store 106 is one that is maintained by the administrative body 100. In such circumstances, the request may be a request in relation to the IP right. Examples of such requests include application for the IP right, a request for examination of the IP right, payment of a grant, registration or issue fee for the IP right, renewal of the IP right, request for amendment of the IP right, any other request or notice that may be filed in relation to the IP right and miscellaneous correspondence in relation to the IP right.

On the otherhand, if the IP right is one that is administered by an administrative body other than the administrative body 100, then the administrative data store 106 is one that is maintained by that other administrative body. In such circumstances, the request may be a request in relation to a national IP right based on an international IP right and the IP right is that international IP right. Examples of such requests include an a national or regional phase entry patent application based on an international patent application.

The server 15 further comprises an application download module 27 to download information pertaining to the IP right from the authoritative data store 106. The application download module 27 is operatively coupled to the to the data gateway module 19.

The method of downloading information varies according to the authoritative data store 106. The application download module 27 needs to be able to download information about the IP right based on the IP right input data pertaining to that IP right.

In this embodiment, the application download module 27 queries the authoritative data store 106 by sending the IP right identifier data to the authoritative data store 106. In response, the authoritative data store 106 returns information pertaining to the IP right in the form of a web page. The application download module 27 then parses the HTML content constituting the web page, to extract the information.

There are many techniques for parsing HTML content as would be appreciated by a person skilled in the art. In the present embodiment, the application download module 27 uses the Java Swing HTML Parser - javax.swing.text.html.parser - package provided by Sun Microsystems™ <<http://java.sun.com/j2se/1.4.2/docs/>>. The Java Swing HTML Parser converts the HTML returned by the administrative data store 106 into a series of objects representing the HTML. It will be understood by a person skilled in the art that there are many other data mining libraries that could be used in the same manner.

The application download module 27 iterates over the series of objects to extract the information pertaining to the IP right. The application download module 27 then stores this information in the local data store cache 25.

The application download module 27 may also be used to periodically update the information contained in the local data store cache 25 pertaining to the plurality of IP rights contained in the authoritative data store 106, as would be understood by a person skilled in the art.

The data gateway module 19 has two options available to it when accessing the data store DS. It may access either the local data store cache 25 or the authoritative data store 106. It is always preferable to access the authoritative data store 106. However, the authoritative data store 106 may be subject to intermittent downtime, due to maintenance or network connectivity issues.

The most typical downtime issue is network connectivity. However, in the case of a lack of network connection, the networking stack of a typical computer takes some time to detect the lack of connectivity in the form of a timeout, which can take up to 60 seconds, depending on the configuration of the networking stack. From the viewpoint of providing a fluent user experience to the user 104, this is an unacceptable delay. For example, the user 104 may think that the lookup has failed, and subsequently exit the web page interface by closing the web browser window. Whilst the local data cache 25 is likely to be available with greater consistency, the authoritative data store 106 is the preferred source.

From a systems design viewpoint, a decision must be made as to which data store DS to use. Accordingly, the server 15 further comprises an availability determination module 29 to determine the availability of the authoritative data store 106 for access by the data gateway module 19. The availability determination module 29 may be in the form of a concurrent thread acting as a timer. More information concerning timers and threads is available in the Sun™ Java™ documentation, and does not itself form a part of the present invention.

The data gateway module 19 may simultaneously access the authoritative data store 106 and the local data store cache 25 with its data query. As the local data store cache 25 is provided locally, there is no additional delay introduced in querying the local data store cache 25.

In order for the availability determination module 29 to determine the availability of the authoritative data store 106, the availability determination module 29 runs a thread that polls the application download module at specified intervals. The availability determination module 29 polls the application download module 29 at a suitable interval. For example, an interval of 500ms may be used.

Each time the availability determination module 29 polls the application download module 27, it assesses whether it has finished its downloading procedure. If, after a specified interval, the availability determination module 29 determines that the application download module 27 has not successfully downloaded the information from the authoritative data store 106, it signals to the data gateway module 19 that the authoritative data store 106 is not available. In the present embodiment, the specified interval for assessing whether the application download module 29 has successfully downloaded the information from the administrative data store 106 is 4 seconds.

In the event that the authoritative data store 106 is not available, the data gateway module 19 accesses the local data store cache 25 to retrieve information pertaining to the IP right. In the event that the authoritative data store 106 is available, the data gateway module 19 accesses the authoritative data store 106 to retrieve the information pertaining to the IP right. This is shown at 1007. The data gateway module 19 may retrieve all of the information that the local data store cache 25 or the authoritative data store 106, whichever is accessed, has pertaining to the IP right.

In the event that the authoritative data store 106 is not available, the accuracy of the information retrieved from the local data store cache 25 by the data gateway module 19 will typically have a correlation with the frequency with which the local data store cache 25 is updated.

Visual Input

5 For the data gateway module 19 to be able to access the authoritative data store 106, it may be a requirement of the administrative body that maintains the authoritative data store 106, that visual indicia is first received by that administrative body. The administrative body specifies the visual indicia it requires and then allows access after it receives the visual indicia it specified. The visual indicia may be in the form of a set of randomly generated alphanumeric characters displayed as an
10 image to a user. The administrative body may specify different visual indicia for each access that is made to the administrative body.

To access the authoritative data store 106 in such circumstances, the server 15 further comprises a visual input request module 31 operatively coupled to the primary module 17. In circumstances when input of visual indicia is required, the initial attempt of the data gateway module 19 to access
15 the authoritative data store 106 is unsuccessful. The data gateway module 19 then signals the primary module 17 that input of visual indicia is required to access the authoritative data store 106. The data gateway module 19 also sends to the primary module 17 the visual indicia specified by the administrative body that is required to access the authoritative data store 106 for that request. The primary module 17 sends the visual indicia to the visual input request module 27. The visual
20 input request module 31 presents a dialog, via a web page, to the user 104, indentifying the visual indicia to the user 104. The dialog acts as a prompt, or request, asking the user 104 to input the visual indicia. The user 104 inputs the visual indicia which is then passed directly to the administrative body. Since the administrative body has received the visual indicia requested, as input by the user 104, the data gateway module 19 is now able to access the authoritative data
25 store 106.

The data gateway module 19 also provides the primary module 17 with the information pertaining to the IP right that it retrieved from the data store DS (i.e. the local data store cache 25 or the authoritative data store 106, as the case may be), at 1007.

30 The information that the data gateway module 19 retrieves from the data store DS comprises information that is required for the verification module 21 to perform the verification check (as will be further described later herein) and information required to file the request with the administrative body 100.

Confirmation of Request Data

35 The primary module 17 may provide at least some of the information pertaining to the IP right, that it received from the data gateway module 19, to the user 104. The primary module 19 simultaneously requests that confirmation is provided that the at least some information pertaining to the IP right that it provided to the user 104 does pertain to the IP right that the user 104 intended. If the primary module 17 receives confirmation that the at least some information pertaining to the IP right provided to the user 104 does pertain to the IP right that the user intended, the process
40 continues. This confirmation step provides the user 104 with an opportunity to check and confirm that the IP right input data that the user input does pertain to the correct IP right that the user intended. The information pertaining to the IP right that the primary module 17 provides to the user 104 in the confirmation step may include IP right identifier data (such as the application, publication, grant/registration/issue number), applicant or owner of the IP right, priority date, filing
45 date and/or title of the IP right.

If the primary module 17 does not receive confirmation that the at least some information pertaining to the IP right provided to the user 104 does pertain to the IP right, the primary module 17 issues an alert message to the user 104, e.g. the primary module invites the user 104 to re-enter the IP right input data and/or notifies the user 104 that the request cannot proceed based on the IP right
50 input data provided by the user 104.

The confirmation process previously described herein may be performed by the primary module 17 presenting a dialog, via a web page, to the user 104, requesting the confirmation. If the

confirmation step described herein is included in the process of the present invention and is successfully performed, the primary module 17 passes information to the verification module 21, which carries out the verification check as will be now be described.

Verification

5 After the primary module 17 has received the information pertaining to the IP right from the data gateway module 19, it passes that information to the verification module 21 of the server 15. The verification module 21 verifies, at 1009 the ability to file the request based on at least some of the information pertaining to the IP right that it received from the primary module 19.

10 The verification module 21 performs the verification check, according to one or more criteria, that the request can be filed. The criteria used for the verification are criteria that are relevant to the purpose of the request. Relevant criteria may include verifying that the request has not previously been filed with the administrative body 100, verifying that the request has previously not been actioned by the administrative body 100, and verifying that the request complies with regulatory requirements as required by the administrative body 100.

15 The information pertaining to the IP right that the data gateway module 19 retrieved from the data store DS, and which the primary module 17 passes on to the verification module 21, may include all available information pertaining to the IP right in the data store DS. This includes the basic data relating to the IP right and information about actions that have occurred on the IP right and actions that are to occur in the future.

20 The verification module 21 performs the verification check for a request by checking the relevant information pertaining to the IP right, that it received from the primary module 17, against the criteria that are relevant to the purpose of the request.

For example, if the request to be filed is a request for examination of the IP right, the request may need to comply with regulatory requirements, e.g. the request must be filed within a specific period and the IP right must be in force. In addition, the request for examination cannot be validly filed if it has previously been filed. Thus, relevant criteria include whether there is a due date by which a request for examination of the IP right must be filed, whether a renewal fee, if required, has been paid, and also whether a request for examination has previously been filed with the administrative body. The verification module 21 checks the information pertaining to the IP right it received from the primary module 17 to check, for example, if the relevant data fields in that information show that the IP right is still in the allowable period for filing the request for examination, that there is no outstanding renewal fee, and that no request for examination has previously been filed. If the information pertaining to the IP right that the verification module 21 received from the primary module 17 shows that the IP right is still in the allowable period for filing the request for examination, that there is no outstanding renewal and that no request for examination has previously been filed with, or actioned by, the administrative body 100, e.g. no date entered against the request for examination field or the request for examination field shows a "NO" flag, this signifies a positive result which means that the request for examination can be validly filed.

By way of another example, if the request to be filed is payment of a renewal fee for the IP right, the request may need to comply with regulatory requirements, e.g. the request must be filed within a specific period. In addition, the request to pay the renewal fee cannot be validly filed if it has previously been filed. Thus, relevant criteria include whether there is a due date by which the request to pay the renewal fee must be filed and whether a request to pay the renewal fee has previously been filed with the administrative body. The verification module 21 checks the information pertaining to the IP right it received from the primary module 17 to check, for example, if the relevant data fields in that information show that the IP right is still in the allowable period for filing the request to pay the renewal fee and that the renewal fee has not previously been paid. If the information pertaining to the IP right that the verification module 21 received from the primary module 17 shows that the IP right is still in the allowable period for filing the request to pay the renewal fee and that no request to pay the renewal fee has previously been filed with, or actioned by, the administrative body 100, e.g. the current "renewed to" date is for a period less than the next renewal term, this signifies a positive result which means that the request to pay the renewal fee can be validly filed.

By way of a further example, if the request to be filed is a request to enter the national phase of an international patent application, the IP right is the international (PCT) patent application, and the request will need to comply with regulatory requirements. In addition, it is normally desirable to not enter the national phase on an international patent application that has already entered the national phase. Thus, in this case, relevant criteria include the due date (e.g. 30 or 31 months from the earliest priority date of the international patent application) by which the request to enter the national phase must be filed with the administrative body. In addition, other relevant criteria may include that the request is in respect of a national phase entry for a country that was designated in the international patent application and that the patent specification of the international patent application was published in the English language by the International Bureau. For example, if the request for national phase entry is in Australia (in which case the administrative body is the Australian Patent Office), it is a regulatory requirement that Australia was designated in the international patent application. Similarly, if the request for national phase entry is to enter the national phase in Australia, it is a regulatory requirement that, a verified English translation of the patent specification is filed to enter the national phase in Australia. The verification module 21 checks the information pertaining to the international patent application it received from the primary module 17 to check, for example, if the relevant data fields in that information show that the international patent application is still in the relevant period to file to the request for national phase entry (e.g. 30 or 31 months from the earliest priority date). Other criteria include that the country for which the request to enter the national phase is to be filed was designated in the international patent application, that the national phase has not previously been entered in the country, that an applicant exists for the country, and that the patent specification of the international patent application was published in English by the International Bureau. If the information pertaining to the international patent application that the verification module 21 received from the primary module 17 shows that the international patent application is still in the allowable period to file the request for national phase entry, that the country for which the request to enter the national phase is to be filed was actually designated in the international patent application and, if required by the administrative body 100, that the patent specification of the international patent application was published in English by the International Bureau, this signifies a positive result which means that the request to enter the national phase can be validly filed.105

In the present embodiment, the verification module 21 executes a series of "if-then" statements to determine whether the request can be validly filed based on the criteria relevant to the purpose of the request.

The verification module 21 signals the primary module 17 with the result of the verification check it performed. If the result of the verification check is positive, i.e. that the relevant criteria were met, the primary module 17 signals the communications module 23, to send a message to file the request. The communications module 23 sends the message via the communications interface 11, at 1011, to file the request with the administrative body 100. The message sent by the communications module 23 comprises data to identify the IP right that is the subject of the request, e.g. the IP right identifier data. The message sent by the communications module 23 also comprises data to identify the purpose of the request.

If the result of the verification check is positive, the primary module 17 may present the user 104 with a confirmation prompt prior to primary module 17 sending the signal to the communications module 23 to send the message. The confirmation prompt requests confirmation that the request should be filed. After receiving the confirmation response, the primary module 17 then signals the communications module 23 to send the message as hereinbefore described.

If the result of the verification check is negative, i.e. that the request cannot be filed, the primary module 17 generates an alert flag to the user 104, indicating that the request can not proceed.

Transformation Module

In order to form the message that is sent by the communications module 23, the server 15 further comprises a transformation module 33. The transformation module 33 transforms the information pertaining to the IP right into formatted data. The formatted data is in a form suitable for the communications module 23 to send as a formatted message. The formatted data contains the relevant information required to file the request with the administrative body 100.

e-Filing / Fax Filing

As previously hereinbefore described, the communications module 23 is able to send the message to file the request as an electronic message or as a facsimile transmission message.

5 In the case that the message is sent as an electronic message, the communications module 23 sends the message to the administrative body 100 to thereby file the request with the administrative body 100.

10 In the case that the message is sent as a facsimile transmission message, the communications module 23 sends the message to either the administrative body 100, to thereby file the request with the administrative body 100, or alternatively, sends the message to a third party and directs the third party to on-send, or forward, the message to the administrative body 100 to thereby file the request with the administrative body 100. The third party then forwards the message to the administrative body 100.

15 The filing of a request with the administrative body 100 by sending a facsimile transmission message may be achieved, in accordance with the present invention, either by sending the facsimile transmission message directly to the administrative body 100, or alternatively, by sending the facsimile transmission message to a third party with directions to the third party to on-send, or forward, the facsimile transmission message to the administrative body 100. Each of these alternatives results in the request being filed with the administrative body 100.

20 Whether to use an electronic message or a facsimile transmission message to file the request with the administrative body 100 will be determined by factors such as whether the administrative body 100 has the facilities to receive filings of requests electronically or by facsimile transmission as well as preferences of the administrative body 100 and the operator of the system of the present invention.

e-Filing: Transformation/Encryption/Sending/e-Acknowledgement**25 Transformation**

The transformation module 33 forms a electronic message to be sent in the manner to now be described.

30 In an embodiment in which the communications module 23 is to send an electronic message, the transformation module 33 transforms the information pertaining to the IP right into the XML language to form a formatted electronic message that contains the relevant information required to file the request with the administrative body 100. The transformation module 33 adheres to an XML-schema provided by the administrative body 100 in the transformation it performs on the data to form the formatted electronic message. For example, with respect to the Australian Patent Office communications requirements, the first packet must adhere to the submitPackage() schema. The submitPackage() schema includes the reference number of the operator of the server that has been allocated by the administrative body 100, a package type indicating the type of data contained in the XML, and the data identifying the IP right.

40 In some circumstances, the communications module 23 may also include at least one document file with the formatted electronic message it sends, e.g. to comply with regulatory requirements required by the administrative body. To achieve this, the transformation module 33 follows an agreed protocol so that a document file can be included in the formatted electronic message that the communications module 23 sends. The document file, for example, may be in PDF format. As one example, the administrative body 100 may require that a translation of a document accompany the request.

45 In this embodiment, the transformation module 33 may use the Direct Internet Message Encapsulation (DIME) protocol to include a document with an XML message. A draft version of the RFC for the DIME protocol can be found at <<http://xml.coverpages.org/draft-nielsen-dime-02.txt>>. *Encryption*

50 After the transformation module 33 has formed the formatted electronic message, the formatted electronic message is passed to an encryption module 35, of the server 15. The encryption module

35 encrypts the formatted electronic message. This may be done, for example, using the SHA-1 encryption method. The encryption module 35 may use a public key encryption system.

5 After the encryption module 35 has encrypted the formatted electronic message, the communications module 23 sends the encrypted electronic message, including any document file to be include with the encrypted electronic message, via the communications interface 11. This may be achieved, for example, using the TCP/IP protocol over the Internet.

e-Acknowledgement from Administrative Body

10 For example, when the administrative body 100 is IP Australia and their electronic national phase filing system is used, after the communications module 23 has sent the encrypted electronic message, the communications module 23 polls the administrative body 100 by calling the listWaitingPackages() method repeatedly until such time as a response is received. Alternatively, if an event driven system is provided by the administrative body 100, this may be utilised for more efficient communications.

15 Once the response is available, the communications module 23 receives an electronic acknowledgement from the administrative body 100 by calling the retrievePackage() function. After the electronic acknowledgement is received, at 1013, the communications module 23 makes a subsequent call to acknowledgePackage() to the administrative body 100 to move the state to RETRIEVED.

20 If no fault is found, the electronic acknowledgement is processed. The electronic acknowledgement may include the date and time the last byte of the package was received by the administrative body 100 and a unique identifier from the administrative body 100 in the form of an allocated reference number for the transaction.

Fax Filing: Transformation/Sending/e-Acknowledgement

Transformation

25 The transformation module 33 forms a facsimile transmission message to be sent in the manner to now be described.

30 In an embodiment in which the communications module 23 is to send a facsimile transmission message, the transformation module 33 transforms the information pertaining to the IP right into a PDF document in a suitable form that contains the relevant information required to file the request with the administrative body 100. In order to create this PDF document, a template may be developed in the OfficeOffice.org application and opened via its API, and the relevant fields replaced with the data required. There are different templates for different types of requests. That is, a specific template may be used depending upon the purpose of the request. A given template may include a statement of the type of request being made (i.e. the purpose of the request), the particulars of the IP right, and the payment method (if required) for the request. The OfficeOffice.org API provides a facility to save the document as a PDF file. The PDF format ensures that the document will appear to the recipient in a consistent manner.

40 Alternatively, the PDF document may be generated using its native file format form without the use of an intermediary utility such as OpenOffice.org. The native PDF document creation process may contain the same information in this manner of creation.

45 In certain circumstances, the communications module 23 may also include additional document(s) in the at least one document file, e.g. to comply with regulatory requirements required by the administrative body. To achieve this, the transformation module 33 appends the additional documents to the end of the PDF document, so that the PDF file contains both the relevant information required by the administrative body 100 relating to the request, and the additional document(s). As one example, the administrative body 100 may require that a translation of a document accompany the request.

Sending & e-Acknowledgment

In one embodiment, the PDF document is sent as a facsimile transmission message directly to the administrative body 100 using a fax driver and a modem, as would be understood by a person skilled in the art. The fax driver provides a response to confirm whether the transmission of the facsimile transmission message sent to the administrative body 100 was successful.

In an alternative embodiment, the communications module 23 is able to send the facsimile transmission message, comprising at least one document file, to a third party with a direction to the third party to on-send, or forward, the at least one document file by facsimile transmission to the administrative body 100. This facilitates the third party to send the facsimile transmission to the administrative body 100 and thus file the request. There are numerous third party fax providers that offer this service. For example, there are providers such as Popfax.com, UTBox.net or FaxMate.com.au.

In this manner, the PDF document file is sent to the third party using either a direct API, or via email. When a direct API is used, the PDF file is sent to the third party, together with the facsimile number that the PDF file should be sent to. In turn, the communications module 23 receives an electronic acknowledgement from the third party in the form of a unique identifier confirming that the third party has received the message from the communications module 23. Alternatively, or in addition, the communications module 23 may also receive from the third party a further unique identifier that confirms that the request to send the PDF facsimile transmission identified by the unique identifier has been successfully sent, or alternatively, has failed.

In utilising a third party provider, it advantageously can provide collaborative evidence that the request was filed with the administrative body 100, in the event of an error in the sending of the PDF document.

If the third party provider does not provide a direct API, then the alternative interface provided by the third party may be utilised. For example, the PDF document may be emailed to a designated email address to initiate the sending of the PDF document. In this case, the unique identifier for the transaction is included in the email message to the third party by the communications module 23, and a record made of that unique identifier. The communications module 23 can in turn process a return email from the third party that indicates whether the third party successfully sent the facsimile transmission.

The primary module 17 can then issue the notification pertaining to the filing of the request to thereby confirm the transmission of the at least one document to file the request with the administrative body 100. Alternatively, the notification concerning the filing of the request may be issued by the primary module 17 only in the event that the transmission to file the request with the administrative body 100 was successful. The notification process is further described later herein.

Processing Acknowledgement

The server 15 further comprises an acknowledgement processing module 37 to process the electronic acknowledgement, previously hereinbefore described, received by the communications module 23. The acknowledgement processing module 37 stores information pertaining to the filing of the request in an IP management software database 39, at 1015. The information pertaining to the filing of the request that is stored in the IP management software database 39 may include the IP right identifier, the unique identifier for the transaction, and the date and time that the message was sent by the communications module 23 to file the request. This may be achieved, for example, using a series of SQL statements to insert the data via a JDBC connector into a database structure such as, for example, the Patrix™ Patricia™ software database. In this respect, the existing infrastructure of an IP management software database 39 may be utilised to track the IP right subsequent to filing the request.

Notification

The primary module 17 is able to issue a notification pertaining to the filing of the request following receipt of the electronic acknowledgement. The notification is issued to the user 104. The notification provides a record pertaining to the filing of the request to the user 104. Furthermore, the notification provides pertinent information relevant to the IP right.

The notification is issued at 1017, after the acknowledgement processing module 37 has stored the information pertaining to the filing of the request, the unique identifier for the transaction, and the date and time that the message was sent to file the request, into the IP management software database 39, at 1015.

- 5 Alternatively, the notification may be issued concurrently. However, for quality assurance purposes, it is preferable that the notification is delayed until it is ascertained that all the information has been safely stored in the IP management software database 39, at 1015.

10 In the present embodiment, the notification includes the details of the IP right, a unique identifier that was allocated in connection with the transaction and the date and time that the message was sent by the communications module 23 to file the request.

The notification is provided to the user 104 in two forms. Firstly, the information is displayed via the Apache Tomcat web application server to inform the user of the transaction outcome. Secondly, a new thread is created to send the same information to the user 104 via email.

- 15 The modules of the server 15 described herein may be located on separate pieces of physical hardware. Alternatively, the modules of the server 15 described herein may be housed on one machine. Control processes, embodied in software, may be utilised to operatively connect these modules into a single cohesive process.

Modifications and variations, such as would be apparent to a skilled addressee are deemed to be within the scope of the present invention.

20

Claims

1. A process for filing a request with an administrative body characterised in that it comprises
receiving at least some data pertaining to at least one IP right,
5 accessing at least one data store using at least some of the data received pertaining to the at least one IP right,
retrieving information pertaining to the at least one IP right from the data store,
verifying the ability to file the request based on at least some of the information retrieved from the data store,
10 sending a message to file the request with the administrative body,
receiving electronic acknowledgement in response to the message sent, and
issuing a notification pertaining to the filing of the request with the administrative body.
2. A process according to claim 1, characterised in that receiving at least some data pertaining to the at least one IP right comprises receiving data that uniquely identifies the at least one IP right.
3. A process according to claim 1 or 2, characterised in that receiving at least some data pertaining to at least one IP right comprises receiving a number that uniquely identifies the at least one IP right.
4. A process according to any one of the preceding claims, characterised in that receiving at least some data pertaining to at least one IP right further comprises receiving data to identify the purpose of the request.
5. A process according to any one of the preceding claims, characterised in that it further comprises requesting input of visual indicia prior to accessing the at least one data store.
6. A process according to any one of the preceding claims, characterised in that accessing at least one data store using at least some of the data received pertaining to the at least one IP right comprises accessing an authoritative data store containing information pertaining to a plurality of IP rights
7. A process according to any one of the preceding claims, characterised in that accessing at least one data store using at least some of the data received pertaining to the at least one IP right comprises accessing a local data store cache containing information pertaining to a plurality of IP rights.
8. A process according to any one of the preceding claims, characterised in that accessing at least one data store using at least some of the data received pertaining to the at least one IP right comprises first accessing an authoritative data store containing information pertaining to a plurality of IP rights, and, when access to the authoritative data store is determined to be not available, accessing a local data store cache containing information pertaining to a plurality of IP rights.
9. A process according to claim 8, characterised in that the authoritative data store is maintained by an administrative body.
10. A process according to any one of the preceding claims, characterised in that the process further comprises providing at least some of the information retrieved from the data store to the user and requesting the user to confirm that the at least some information provided to the user pertains to the at least one IP right.
11. A process according to any one of the preceding claims, characterised in that the process further comprises receiving confirmation from the user that the at least some information provided to the user pertains to the at least one IP right.

12. A process according to any one of the preceding claims, characterised in that verifying the ability to file the request based on at least some of the information retrieved from the data store comprises verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed.
- 5 13. A process according to claim 12, characterised in that verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed comprises verifying that the request has previously not been filed with the administrative body.
14. A process according to claim 12 or 13, characterised in that verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed comprises verifying
10 that the request has previously not been actioned by the administrative body.
15. A process according to any one of claims 12 to 14, characterised in that verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed may comprises verifying compliance with regulatory requirements as required by the administrative body.
- 15 16. A process according to any one of the preceding claims, characterised in that the process further comprises transforming at least some of the retrieved information pertaining to the at least one IP right after verifying the ability to file the request, based on the information retrieved from the data store, to thereby create formatted data.
- 20 17. A process according to claim 16, characterised in that transforming at least some of the retrieved information pertaining to the at least one IP right comprises transforming the information pertaining to the IP right that is required to file the request with the administrative body.
18. A process according to any one of the preceding claims, characterised in that sending a message to file the request with the administrative body comprises sending data to identify the
25 at least one IP right and the purpose of the request.
19. A process according to any one of claims 16 to 18, characterised in that sending a message to file the request with the administrative body comprises sending the formatted data.
20. A process according to any one of the preceding claims, characterised in that receiving at least some data pertaining to at least one IP right may further comprise receiving at least one
30 document file.
21. A process according to any one of the preceding claims, characterised in that sending a message to file the request with the administrative body includes sending at least one document file.
22. A process according to any one of the preceding claims, characterised in that receiving
35 electronic acknowledgement in response to the message sent comprises receiving electronic acknowledgement that includes a unique identifier to identify the message sent.
23. A process according to any one of the preceding claims, characterised in that the process further comprises processing the electronic acknowledgement received in response to the message sent.
- 40 24. A process according to claim 23, characterised in that processing the electronic acknowledgement received in response to the message sent comprises storing the electronic acknowledgement in an IP management software database.
25. A process according to any one of the preceding claims, characterised in that the process further comprises storing data pertaining to the request contained in the electronic
45 acknowledgement received in response to the message sent.
26. A process according to claim 25, characterised in that storing data pertaining to the request contained in the electronic acknowledgement received in response to the message sent comprises storing the unique identifier.

27. A process according to any one of claims 22 to 27, characterised in that issuing a notification pertaining to the filing of the request with the administrative body comprises issuing a notification that includes the unique identifier.
- 5 28. A process according to any one of the preceding claims, characterised in that the request is a request from the group comprising: an application for an IP right, a request for examination of an IP right, payment of a grant, registration or issue fee for an IP right, renewal of an IP right, request for amendment of an IP right, any other request or notice that may be filed in relation to an IP right, and miscellaneous correspondence in relation to an IP right.
- 10 29. A process according to claim 28, characterised in that the application for an IP right comprises a national patent application based on an international patent application.

Process e-Filing

30. A process according to any one of the preceding claims, characterised in that sending a message to file the request with the administrative body comprises sending an electronic message to file the request with the administrative body.
- 15 31. A process according to claim 30, characterised in that the process further comprises encrypting the formatted data prior to sending the formatted data.
32. A process according to claim 30 or 31, characterised in that receiving electronic acknowledgement in response to the electronic message sent comprises receiving confirmation of the filing of the request with the administrative body.
- 20 33. A process according to claim 32, characterised in that receiving confirmation of the filing of the request with the administrative body comprises receiving a unique identifier to identify the filing of the request.
34. A process according to any one of claims 30 to 33, characterised in that receiving electronic acknowledgement in response to the electronic message sent comprises receiving an electronic filing receipt confirming the filing of the request with the administrative body.
- 25 35. A process according to any one of claims 30 to 34, characterised in that issuing a notification pertaining to the filing of the request with the administrative body comprises issuing an electronic filing receipt confirming the filing of the request with the administrative body.
- 30 36. A process according to any one of claims 30 to 35, characterised in that sending an electronic message to file the request with the administrative body comprises sending the electronic message to the administrative body.
37. A process according to any one of claims 30 to 36, characterised in that receiving electronic acknowledgement in response to the message sent comprises receiving electronic acknowledgement from the administrative body in response to the electronic message sent.

Process Fax-Filing

38. A process according to any one of claims 1 to 29, characterised in that sending a message to file the request with the administrative body comprises sending a facsimile transmission message, comprising at least one document file, to file the request with the administrative body.
- 40 39. A process according to claim 38, characterised in that transforming at least some of the retrieved information pertaining to the at least one IP right after verifying the ability to file the request, based on the information retrieved from the data store, to thereby create formatted data comprises creating the at least one document file.
40. A process according to claims 38 or 39, characterised in that receiving electronic acknowledgement in response to the facsimile transmission sent comprises receiving confirmation of the transmission of the facsimile transmission message.
- 45 41. A process according to claim 40, characterised in that receiving confirmation of the transmission of the facsimile transmission message comprises receiving a unique identifier to identify the transmission of the facsimile transmission message.

42. A process according to any one of claims 38 to 41, characterised in that sending a facsimile transmission message, comprising at least one document file, to file the request with the administrative body comprises sending the facsimile transmission message to the administrative body.
- 5 43. A process according to any one of claims 38 to 42, characterised in that receiving electronic acknowledgement in response to the facsimile transmission message sent comprises receiving confirmation of the transmission of the facsimile transmission message sent to the administrative body.
- 10 44. A process according to any one of claims 38 to 43, characterised in that receiving confirmation of the transmission of the facsimile transmission message sent comprises receiving a unique identifier to identify the transmission of the facsimile transmission message sent to the administrative body.
- 15 45. A process according to any one of claims 38 to 41, characterised in that sending a facsimile transmission message, comprising at least one document file, to file the request with the administrative body comprises sending the facsimile transmission message to a third party and directing the third party to on-send the at least one document file by facsimile transmission to the administrative body.
- 20 46. A process according to claim 45, characterised in that receiving electronic acknowledgement in response to the facsimile transmission message sent to the third party comprises receiving confirmation of the transmission of the facsimile transmission message sent to the third party.
- 25 47. A process according to claim 46, characterised in that receiving confirmation of the transmission of the facsimile transmission message sent to the third party comprises receiving a unique identifier to identify the transmission of the facsimile transmission message sent to the third party.
- 30 48. A process according to any one of claims 45 to 47, characterised in that receiving electronic acknowledgement in response to the facsimile transmission message sent to the third party comprises receiving confirmation of the transmission of the at least one document file to the administrative body.
- 35 49. A process according to claim 48, characterised in that receiving confirmation of the transmission of the at least one document file to the administrative body comprises receiving a unique identifier to identify the transmission of the at least one document file to the administrative body.
50. A process according to any one of claims 38 to 49, characterised in that issuing a notification pertaining to the filing of the request with the administrative body comprises issuing a message confirming the transmission of the at least one document file to the administrative body.

Process Requests Other than NPE Apn

51. A process according to any one of the preceding claims, characterised in that the request is other than a request for a national IP application based on an international IP application, where the IP is a patent.
- 40 52. A process according to any one of the preceding claims, characterised in that the request is a request in relation to the at least one IP right.
- 45 53. A process according to claim 51 or 52, characterised in that accessing an authoritative data store containing information pertaining to a plurality of IP rights comprises accessing an authoritative data store maintained by the administrative body with which the request is to be filed.
54. A process according to any one of claims 51 to 53, characterised in that accessing at least one data store using at least some of the data received pertaining to the at least one IP right comprises first accessing an authoritative data store, maintained by the administrative body with which the request is to be filed, containing information pertaining to a plurality of IP rights,

and, when access to the authoritative data store is determined to be not available, accessing a local data store cache containing information pertaining to a plurality of IP rights.

55. A process according to any one of claims 51 to 54, characterised in that retrieving information pertaining to the at least one IP right from the data store comprises retrieving information pertaining to the at least one IP right from the group comprising: the application number, publication number, grant, issue or registration number, priority date, filing date, publication date, request for examination status, grant, issue or registration fee payment status, renewal, annuity, maintenance or continuation fee payment status, grant, issue or registration date, title or subject matter of the IP right, applicant, and owner.

Process Request is NPE Apn

56. A process according to any one of claims 1 to 50, characterised in that the request is a request for a national IP application to be based on the at least one IP right.

57. A process according to any one of claims 1 to 50 or claim 56, characterised in that the request is a request for a national IP application to be based on an international IP right.

58. A process according to any one of claims 1 to 50, claim 56 or 57, characterised in that the at least one IP right is an international patent application and the request is a request for a national patent application.

59. A process according to any one of claims 56 to 58, characterised in that accessing an authoritative data store containing information pertaining to a plurality of IP rights comprises accessing an authoritative data store maintained by an administrative body other than the administrative body with which the request is to be filed.

60. A process according to any one of claims 56 to 59, characterised in that accessing at least one data store using at least some of the data received pertaining to the at least one IP right comprises first accessing an authoritative data store, maintained by an administrative body other than the administrative body with which the request is to be filed, containing information pertaining to a plurality of IP rights, and, when access to the authoritative data store is determined to be not available, accessing a local data store cache containing information pertaining to a plurality of IP rights.

61. A process according to any one of claims 56 to 60, characterised in that retrieving information pertaining to the at least one IP right from the data store comprises retrieving information pertaining to the at least one IP right from the group comprising: the application number, publication number, priority date, filing date, publication date, title or subject matter of the IP right, applicant, countries designated, language of the patent specification as filed, and language of the patent specification as published.

62. A process according to any one of claims 56 to 61, characterised in that sending at least one document file comprises sending at least one document file to comply with regulatory requirements to validly file the national patent application.

63. A process according to any one of claims 56 to 62, characterised in that the process further comprises receiving at least some data pertaining to selectable options pertaining to the national patent application.

64. A process according to claim 63, characterised in that the at least some data pertaining to selectable options is selected from the group comprising: amendment of applicant, amendment of title, amendment of inventor, amendment of specification, and amendment of claims.

65. A process according to any one of claims 56 to 64, characterised in that issuing a notification pertaining to the filing of the national patent application comprises issuing a notification containing explanatory text based on the at least some data pertaining to the selectable options.

66. A process according to any one of claims 56 to 65, characterised in that request is a request to file a national patent application, or a request to enter the national or regional phase, of an international patent application.

67. A process according to any one of claims 56 to 66, characterised in that the type of IP is a patent, the at least one IP right is an international patent application filed under the provisions of the Patent Cooperation Treaty (PCT) and the request is a request to file a national or regional phase patent application based on that international patent application.

5 ***System Generic Statements***

68. A system for filing a request with an administrative body comprising

a communications interface to send communications to an administrative body,

a server connectable to a data communications network, the server including

a primary module to receive at least some data pertaining to at least one IP right,

10 a data gateway module operatively coupled to the primary module, to access information pertaining to the at least one IP right in response to a data query from the primary module containing at least some of the data received by the primary module,

15 a verification module operatively coupled to the primary module to verify the ability to file the request based on at least some of the information accessed by the data gateway module,

20 a communications module operatively coupled to the primary module to send a message, containing data identifying the at least one IP right, via the communications interface to file the request with the administrative body, the communications module able to receive electronic acknowledgement via the communications interface in response to the message sent, and

wherein the primary module is able to issue a notification pertaining to the filing of the request after receipt of the electronic acknowledgement.

25 69. A system according to claim 68, characterised in that the primary module is able to receive at least some data pertaining to at least one IP right that uniquely identifies the at least one IP right.

70. A system according to claim 68 or 69 characterised in that the primary module is able to receive a number that uniquely identifies the at least one IP right.

30 71. A system according to any one of claims 68 to 70, characterised in that the primary module is able to receive data that identifies the purpose of the request.

72. A system according to any one of claims 68 to 71, characterised in that the server further comprises a visual input request module to request input of visual indicia prior to the data gateway module being able to access information pertaining to the at least one IP right.

35 73. A system according to any one of claims 68 to 72, characterised in that the system further comprises a data store containing information pertaining to a plurality of IP rights, and wherein the data gateway module is able to access the data store.

74. A system according to claim 73, characterised in that the data store comprises an authoritative data store, and the data gateway module is arranged to access the authoritative data store.

40 75. A system according to claim 73 or 74, characterised in that the data store comprises a local data store cache and the data gateway module is arranged to access the local data store cache.

45 76. A system according to claim 73, characterised in that the data store comprises an authoritative data store and a local data store cache, wherein the server further comprises an availability determination module operatively coupled to the data gateway module to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, and wherein the data gateway module is able to access information pertaining to the at least one IP right in at least one of the authoritative data store and the local data store cache based on a determination of the availability of the authoritative data store.

77. A system according to any one of claims 74 to 76, characterised in that the authoritative data store is maintained by an administrative body.
- 5 78. A system according to any one of claims 68 to 77, characterised in that the server further comprises an application download module operatively coupled to the data gateway module to download information pertaining to the at least one IP right from the authoritative data store.
79. A system according to any one of claims 68 to 78, characterised in that the primary module is able to provide at least some of the information accessed by the data gateway module to the user and request the user to confirm that the at least some of the information provided to the user does pertain to the at least one IP right.
- 10 80. A system according to any one of claims 68 to 79, characterised in that the primary module is able to receive confirmation from the user that the at least some of the information provided to the user does pertain to the at least one IP right.
- 15 81. A system according to any one of claims 68 to 80, characterised in that the verification module is able to verify the ability to file the request based on at least some of the information accessed by the data gateway module by verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed.
82. A system according to any one of claims 68 to 71, characterised in that the verification module is able to verify that the request has previously not been filed with the administrative body.
- 20 83. A system according to any one of claims 68 to 82, characterised in that the verification module is able to verify that the request has previously not been actioned by the administrative body.
84. A system according to any one of claims 68 to 83, characterised in that the verification module is able to verify that the request complies with regulatory requirements as required by the administrative body.
- 25 85. A system according to any one of claims 68 to 84, characterised in that the server further comprises a transformation module operatively coupled to the communications module to transform at least some of the retrieved information pertaining to the at least one IP right into formatted data.
- 30 86. A system according to claim 85, characterised in that the transformation module is able to transform at least some of the retrieved information pertaining to the IP right to thereby transform the information that is required to file the request with the administrative body.
87. A system according to any one of claims 68 to 86, characterised in that the communications module is able to send a message, to file the request with the administrative body, that includes data to identify the at least one IP right and the purpose of the request.
- 35 88. A system according to any one of claims 68 to 87, characterised in that the communications module is able to send a message, to file the request with the administrative body, that includes the formatted data.
89. A system according to any one of claims 68 to 88, characterised in that the primary module is able to receive at least some data pertaining to at least one IP right as at least one document file.
- 40 90. A system according to any one of claims 68 to 89, characterised in that the communications module is able to include at least one document file with the message sent via the communications interface to file the request with the administrative body.
- 45 91. A system according to any one of claims 68 to 90, characterised in that the communications module is able to receive electronic acknowledgement that includes a unique identifier to identify the message sent.
92. A system according to any one of claims 68 to 91, characterised in that the server further comprises an acknowledgement processing module operatively coupled to the primary module to process the electronic acknowledgement.

93. A system according to claim 92, characterised in that the acknowledgement processing module is able to store the electronic acknowledgement in an IP management software database.
94. A system according to claim 92 or 93, characterised in that the acknowledgement processing module is able to store data pertaining to the request contained in the electronic acknowledgement in an IP management software database.
95. A system according to any one of claims 92 to 94, characterised in that the acknowledgement processing module is able to store the unique identifier.
96. A system according to any one of claims 91 to 95, characterised in that the primary module is able to include the unique identifier in the notification it issues pertaining to the filing of the request.
97. A system according to any one of claims 68 to 96, characterised in that the request is a request from the group comprising: an application for an IP right a request for examination of an IP right, payment of a grant, registration or issue fee for an IP right, renewal of an IP right, request for amendment of an IP right, any other request or notice that may be filed in relation to an IP right and miscellaneous correspondence in relation to an IP right.
98. A system according to claim 97, characterised in that the application for an IP right comprises a national patent application based on an international patent application.

System e-Filing

99. A system according to any one of claims 68 to 98, characterised in that the communications module is arranged to send the message, containing data identifying the at least one IP right via the communications interface to file the request with the administrative body, as an electronic message.
100. A system according to any one of claims 85 to 99, characterised in that the server further comprises an encryption module, operatively coupled to the transformation module, to encrypt the formatted data, and the encryption module is operatively coupled to the communications module such that the encrypted data is included in the electronic message sent by the communications module.
101. A system according to claim 99 or 100, characterised in that the communications module is able to receive electronic acknowledgement that includes acknowledgement of the filing of the request with the administrative body.
102. A system according to any one of claims 99 to 101, characterised in that the communications module is able to receive acknowledgement of the filing of the request with the administrative body that includes a unique identifier to identify the filing of the request.
103. A system according to any one of claims 99 to 102, characterised in that the communications module is able to receive electronic acknowledgement that includes an electronic filing receipt confirming the filing of the request with the administrative body.
104. A system according to any one of claims 99 to 103, characterised in that the primary module is able to issue a notification pertaining to the filing of the request that includes an electronic filing receipt confirming the filing of the request with the administrative body.
105. A system according to any one of claims 99 to 104, characterised in that the communications module is able to send the electronic message, containing data identifying the at least one IP right, via the communications interface to the administrative body to thereby file the request with the administrative body.
106. A system according to any one of claims 99 to 105, characterised in that the communications module is able to receive the electronic acknowledgement from the administrative body.

System Fax-Filing

107. A system according to any one of claims 68 to 98, characterised in that the communications module is arranged to send the message, containing data identifying the at least one IP right via the communications interface to file the request with the administrative body, as a facsimile transmission message comprising at least one document file.
108. A system according to claim 107, characterised in that the transformation module is able to transform at least some of the retrieved information, pertaining to the at least one IP right, into formatted data comprising the at least one document file.
109. A system according to claim 107 or 108, characterised in that the communications module is able to receive electronic acknowledgement that includes confirmation of the transmission of the facsimile transmission message.
110. A system according to any one of claims 107 to 109, characterised in that the communications module is able to receive confirmation of the transmission of the facsimile transmission message that includes a unique identifier to identify the transmission of the facsimile transmission.
111. A system according to any one of claims 107 to 110, characterised in that the communications module is able to send the facsimile transmission message, comprising at least one document file, to the administrative body.
112. A system according to claim 111, characterised in that the communications module is able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the administrative body, as confirmation of the transmission of the facsimile transmission message sent to the administrative body.
113. A system according to claim 112, characterised in that the communications module is able to receive confirmation of the transmission of the facsimile transmission message sent to the administrative body as a unique identifier to identify the transmission of the facsimile transmission sent to the administrative body.
114. A system according to any one of claims 107 to 110, characterised in that the communications module is able to send the facsimile transmission message, comprising at least one document file, to a third party with a direction to the third party to on-send the at least one document file by facsimile transmission to the administrative body.
115. A system according to claim 114, characterised in that the communications module is able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the third party, as confirmation of the transmission of the facsimile transmission message sent to the third party.
116. A system according to claim 115, characterised in that the communications module is able to receive confirmation of the transmission of the facsimile transmission message sent to the third party as a unique identifier to identify the transmission of the facsimile transmission message sent to the third party.
117. A system according to claim 115, characterised in that the communications module is able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the third party, as confirmation of the transmission of the at least one document file to the administrative body.
118. A system according to any one of claims 107 to 117, characterised in that the communications module is able to receive confirmation of the transmission of the at least one document file to the administrative body as a unique identifier to identify the transmission of the at least one document file to the administrative body.
119. A system according to any one of claims 107 to 118, characterised in that the primary module is able to issue the notification pertaining to the filing of the request to thereby confirm the transmission of the at least one document file to the administrative body.

System Requests Other than NPE Apn

120. A system according to any one of claims 68 to 119, characterised in that the request is other than a request for a national IP application based on an international IP application, where the IP is a patent.
- 5 121. A system according to any one of claims 68 to 120, characterised in that the request is a request in relation to the at least one IP right.
122. A system according to claim 120 or 121, characterised in that the data gateway module is arranged to access an authoritative data store maintained by the administrative body with which the request is to be filed.
- 10 123. A system according to any one of claims 120 to 122, characterised in that the availability determination module is able to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, wherein the authoritative data store is maintained by the administrative body with which the request is to be filed, and wherein the data gateway module is able to access information pertaining to the at least one IP right in at least one of the authoritative data store and the local data store cache based on a determination by the availability determination module of the availability of the authoritative data store.
- 15 124. A system according to any one of claims 120 to 123, characterised in that the data gateway module is arranged to access information, pertaining to the at least one IP right from the data store, from the group comprising: the application number, publication number, grant, issue or registration number, priority date, filing date, publication date, request for examination status, grant, issue or registration fee payment status, renewal, annuity, maintenance or continuation fee payment status, grant, issue or registration date, title or subject matter of the IP right, applicant, and owner.
- 20 125. A system according to any one of claims 120 to 124, characterised in that the verification module is able to verify the ability to file the request based on whether the request has not previously been filed with the administrative body.
- 25 126. A system according to any one of claims 120 to 125, characterised in that the verification module is able to verify the ability to file the request based on whether the request has not previously been actioned by the administrative body.
- 30

System Request is NPE Apn

127. A system according to any one of claims 68 to 119, characterised in that the request is a request for a national IP application to be based on the at least one IP right.
- 35 128. A system according to any one of claims 68 to 119 or claim 127, characterised in that the request is a request for a national IP application to be based on an international IP right.
129. A system according to any one of claims 68 to 119, claim 127 or 128, characterised in that the at least one IP right is an international patent application and the request is a request for a national patent application.
- 40 130. A system according to any one of claims 68 to 119 or claims 127 to 129, characterised in that the type of IP is a patent, the at least one IP right is an international patent application filed under the provisions of the Patent Cooperation Treaty (PCT) and the request is a request to file a national or regional phase patent application based on that international patent application.
- 45 131. A system according to any one of claims 127 to 130, characterised in that the data gateway module is arranged to access an authoritative data store maintained by an administrative body other than the administrative body with which the request is to be filed.
- 50 132. A system according to any one of claims 127 to 131, characterised in that the availability determination module is able to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, wherein the authoritative data store is maintained by an administrative body other than the administrative body with which the request is to be filed, and wherein the data gateway module is able to access information pertaining to

the at least one IP right in at least one of the authoritative data store and the local data store cache based on a determination by the availability determination module of the availability of the authoritative data store.

- 5 133. A system according to any one of claims 127 to 132, characterised in that the data gateway module is arranged to access information, pertaining to the at least one IP right from the data store, from the group comprising: the application number, publication number, priority date, filing date, publication date, title or subject matter of the IP right, applicant, countries designated, language of the patent specification as filed, and language of the patent specification as published.
- 10 134. A system according to any one of claims 127 to 133, characterised in that the verification module is able to verify the ability to file the national patent application in accordance with regulatory requirements.
- 15 135. A system according to any one of claims 127 to 134, characterised in that the communications module is able to include at least one document file, with the message sent via the communications interface to file the request with the administrative body, to comply with regulatory requirements to validly file the national patent application.
- 20 136. A system according to any one of claims 127 to 135, characterised in that the primary module is able to receive at least some data pertaining to selectable options pertaining to the national patent application.
- 25 137. A system according to claim 136, characterised in that the primary module is able to receive at least some data pertaining to selectable options selected from the group comprising: amendment of applicant, amendment of title, amendment of inventor, amendment of specification, and amendment of claims.
138. A system according to claim 136 or 137, characterised in that the primary module is able to include explanatory text in the notification based on the least some data pertaining to the selectable options.

Server Generic Statements

139. A server connectable to a data communications network for use in filing a request with an administrative body comprising
- 30 a primary module to receive at least some data pertaining to at least one IP right,
- a data gateway module operatively coupled to the primary module, to access information pertaining to the at least one IP right in response to a data query from the primary module containing at least some of the data received by the primary module,
- 35 a verification module operatively coupled to the primary module to verify the ability to file the request based on the information accessed by the data gateway module,
- a communications module operatively coupled to the primary module to send a message, containing data identifying the at least one IP right, via the communications interface to file the request with the administrative body, the communications module able to receive electronic acknowledgement via the communications interface in response to the message sent, and
- 40 wherein the primary module is able to issue a notification pertaining to the filing of the request after receipt of the electronic acknowledgement.
140. A server according to claim 139, characterised in that the primary module is able to receive at least some data pertaining to at least one IP right that uniquely identifies the at least one IP right.
- 45 141. A server according to claim 139 or 140, characterised in that the primary module is able to receive a number that uniquely identifies the at least one IP right.

142. A server according to any one of claims 139 to 141, characterised in that the primary module is able to receive data that identifies the purpose of the request.
143. A server according to any one of claims 139 to 142, characterised in that the server further includes a visual input request module to request input of visual indicia prior to the data gateway being able to access information pertaining to the at least one IP right.
144. A server according to any one of claims 139 to 143, characterised in that the data gateway module is able to access a data store containing information pertaining to a plurality of IP rights.
145. A server according to claim 144, characterised in that the data store comprises an authoritative data store.
146. A server according to claim 144 or 145, characterised in that the data store comprises a local data store cache.
147. A server according to any one of claims 139 to 144 or claim 146, characterised in that the data store comprises an authoritative data store and a local data store cache, wherein the server further comprises an availability determination module operatively coupled to the data gateway module to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, and wherein the data gateway module is able to access information pertaining to the at least one IP right in at least one of the authoritative data store and the local data store cache based on a determination of the availability of the authoritative data store.
148. A server according to any one of claims 135 to 147, characterised in that the authoritative data store is maintained by an administrative body.
149. A server according to any one of claims 139 to 148, characterised in that the server further comprises an application download module operatively coupled to the data gateway module to download information pertaining to the at least one IP right from the authoritative data store.
150. A server according to any one of claims 139 to 149, characterised in that the primary module is able to provide at least some of the information accessed by the data gateway module to the user and request the user to confirm that the at least some of the information provided to the user does pertain to the at least one IP right.
151. A server according to claim 150, characterised in that the primary module is able to receive confirmation from the user that the at least some of the information provided to the user does pertain to the at least one IP right.
152. A server according to any one of claims 139 to 151, characterised in that the verification module is able to verify the ability to file the request based on at least some of the information accessed by the data gateway module by verifying in accordance with criteria relevant to the purpose of the request that the request can be validly filed.
153. A server according to any one of claims 139 to 152, characterised in that the verification module is able to verify that the request has previously not been filed with the administrative body.
154. A server according to any one of claims 139 to 153, characterised in that the verification module is able to verify that the request has previously not been actioned by the administrative body.
155. A server according to any one of claims 139 to 154, characterised in that the verification module is able to verify that the request complies with regulatory requirements as required by the administrative body.
156. A server according to any one of claims 139 to 155, characterised in that the server further comprises a transformation module operatively coupled to the communications module to transform at least some of the retrieved information pertaining to the at least one IP right into formatted data.

157. A server according to claim 156, characterised in that the transformation module is able to transform at least some of the retrieved information pertaining to the IP right to thereby transform the information that is required to file the request with the administrative body.

5 158. A server according to any one of claims 139 to 157, characterised in that the communications module is able to send a message, to file the request with the administrative body, that includes data to identify the at least one IP right and the purpose of the request.

159. A server according to any one of claims 156 to 158, characterised in that the communications module is able to send a message, to file the request with the administrative body, that includes the formatted data.

10 160. A server according to any one of claims 139 to 159, characterised in that the primary module is able to receive at least some data pertaining to at least one IP right as at least one document file.

15 161. A server according to any one of claims 139 to 160, characterised in that the communications module is able to include at least one document file with the message sent via the communications module to file the request with the administrative body.

162. A server according to any one of claims 139 to 161, characterised in that the communications module is able to receive an electronic acknowledgement that includes a unique identifier to identify the message sent.

20 163. A server according to any one of claims 139 to 162, characterised in that the server further comprises an acknowledgement processing module operatively coupled to the primary module to process the electronic acknowledgement.

164. A server according to claim 163, characterised in that the acknowledgement processing module is able to store the electronic acknowledgement in an IP management software database.

25 165. A server according to claim 163 or 164, characterised in that the acknowledgement processing module is able to store data pertaining to the request contained in the electronic acknowledgement in an IP management software database.

166. A server according to any one of claims 163 to 165, characterised in that the acknowledgement processing module is able to store the unique identifier.

30 167. A server according to any one of claims 162 to 166, characterised in that the primary module is able to include the unique identifier in the notification it issues pertaining to the filing of the request.

35 168. A server according to any one of claims 139 to 167, characterised in that the request comprises from the group comprising: an application for an IP right a request for examination of an IP right, payment of a grant, registration or issue fee for an IP right, renewal of an IP right, request for amendment of an IP right, any other request or notice that may be filed in relation to an IP right, and miscellaneous correspondence in relation to an IP right.

169. A server according to claim 168, characterised in that the application for an IP right comprises a national patent application based on an international patent application.

40 ***Server e-Filing***

170. A server according to any one of claims 139 to 169, characterised in that the communications module is arranged to send the message, containing data identifying the at least one IP right via the communications interface to file the request with the administrative body, as an electronic message.

45 171. A server according to claims 170, characterised in that the server further comprises an encryption module, operatively coupled to the transformation module, to encrypt the formatted data, and the encryption module is operatively coupled to the communications module such that the encrypted data is included in the electronic message sent by the communications module.

172. A server according to claim 170 or 171, characterised in that the communications module is able to receive electronic acknowledgement that includes acknowledgement of the filing of the request with the administrative body.
- 5 173. A server according to claim 170 or 171, characterised in that the communications module is able to receive acknowledgement of the filing of the request with the administrative body that includes a unique identifier to identify the filing of the request.
174. A server according to any of claims 170 to 173, characterised in that the communications module is able to receive electronic acknowledgement includes an electronic filing receipt confirming the filing of the request with the administrative body.
- 10 175. A server according to any of claims 170 to 174, characterised in that the primary module is able to issue a notification pertaining to the filing of the request that includes an electronic filing receipt confirming the filing of the request with the administrative body.
- 15 176. A server according to any of claims 170 to 175, characterised in that the communications module is able to send the electronic message, containing data identifying the at least one IP right, via the communications interface to the administrative body to thereby file the request with the administrative body.
177. A server according to any of claims 170 to 176, characterised in that the communications module is able to receive the electronic acknowledgement from the administrative body.

Server Fax-Filing

- 20 178. A server according to any of claims 139 to 169, characterised in that the communications module is arranged to send the message, containing data identifying the at least one IP right via the communications interface to file the request with the administrative body, as a facsimile transmission message comprising at least one document file.
- 25 179. A server according to claim 178, characterised in that the transformation module is able to transform at least some of the retrieved information, pertaining to the at least one IP right, into formatted data comprising the at least one document file.
180. A server according to claim 178 or 179, characterised in that the communications module is able to receive electronic acknowledgement that includes confirmation of the transmission of the facsimile transmission message.
- 30 181. A server according to any of claims 178 to 180, characterised in that the communications module is able to receive confirmation of the transmission of the facsimile transmission message that includes a unique identifier to identify the transmission of the facsimile transmission.
- 35 182. A server according to any of claims 178 to 181, characterised in that the communications module is able to send the facsimile transmission message, comprising at least one document file, to the administrative body.
- 40 183. A server according to claim 182, characterised in that the communications module is able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the administrative body, as confirmation of the transmission of the facsimile transmission message sent to the administrative body.
184. A server according to claim 183, characterised in that the communications module is able to receive confirmation of the transmission of the facsimile transmission message sent to the administrative body as a unique identifier to identify the transmission of the facsimile transmission sent to the administrative body.
- 45 185. A server according to any of claims 178 to 181, characterised in that the communications module is able to send the facsimile transmission message, comprising at least one document file, to a third party with a direction to the third party to on-send the at least one document file by facsimile transmission to the administrative body.

186. A server according to claim 185, characterised in that the communications module is able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the third party, as confirmation of the transmission of the facsimile transmission message sent to the third party.

5 187. A server according to claim 186, characterised in that the communications module is able to receive confirmation of the transmission of the facsimile transmission message sent to the third party as a unique identifier to identify the transmission of the facsimile transmission message sent to the third party.

10 188. A server according to any one of claims 185 to 187, characterised in that the communications module is able to receive the electronic acknowledgement, in response to the facsimile transmission message sent to the third party, as confirmation of the transmission of the at least one document file to the administrative body.

15 189. A server according to any one of claims 178 to 188, characterised in that the communications module is able to receive confirmation of the transmission of the at least one document file to the administrative body as a unique identifier to identify the transmission of the at least one document file to the administrative body.

190. A server according to any one of claims 178 to 189, characterised in that the primary module is able to issue the notification pertaining to the filing of the request to thereby confirm the transmission of the at least one document file to the administrative body.

20 ***Server Requests Other than NPE Apn***

191. A server according to any one of claims 139 to 190, characterised in that the request is other than a request for a national IP application based on an international IP application, where the IP is a patent

25 192. A server according to any one of claims 139 to 191, characterised in that the request is a request in relation to the at least one IP right.

193. A server according to claim 191 or 192, characterised in that the data gateway module is arranged to access an authoritative data store maintained by the administrative body with which the request is to be filed.

30 194. A server according to any one of claims 191 to 193, characterised in that the availability determination module is able to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, wherein the authoritative data store is maintained by the administrative body with which the request is to be filed, and wherein the data gateway module is able to access information pertaining to the at least one IP right in at least one of the authoritative data store and the local data store cache based on a determination by the availability determination module of the availability of the authoritative data store.

35 195. A server according to any one of claims 191 to 194, characterised in that the data gateway module is arranged to access information, pertaining to the at least one IP right from the data store, from the group comprising: the application number, publication number, grant, issue or registration number, priority date, filing date, publication date, request for examination status, grant, issue or registration fee payment status, renewal, annuity, maintenance or continuation fee payment status, grant, issue or registration date, title or subject matter of the IP right, applicant, and owner.

40 196. A server according to any one of claims 191 to 195, characterised in that the verification module is able to verify the ability to file the request based on whether the request has not previously been filed with the administrative body.

45 197. A server according to any one of claims 191 to 196, characterised in that the verification module is able to verify the ability to file the request based on whether the request has not previously been actioned by the administrative body.

Server Request is NPE Apn

198. A server according to any one of claims 139 to 190, characterised in that the request is a request for a national IP application to be based on the at least one IP right.
- 5 199. A server according to any one of claims 139 to 190 or claim 198, characterised in that the request is a request for a national IP application to be based on an international IP right.
200. A server according to any one of claims 139 to 190, claim 198 or 199, characterised in that the at least one IP right is an international patent application and the request is a request for a national patent application.
- 10 201. A server according to any one of claims 139 to 190 or claims 198 to 200, characterised in that the type of IP is a patent, the at least one IP right is an international patent application filed under the provisions of the Patent Cooperation Treaty (PCT) and the request is a request to file a national or regional phase patent application based on that international patent application.
- 15 202. A server according to any one of claims 198 to 201, characterised in that the data gateway module is arranged to access an authoritative data store maintained by an administrative authority other than the administrative authority with which the request is to be filed.
- 20 203. A server according to any one of claims 198 to 202, characterised in that the availability determination module is able to determine the availability of the authoritative data store and to indicate the availability of the authoritative data store, wherein the authoritative data store is maintained by an administrative body other than the administrative body with which the request is to be filed, and wherein the data gateway module is able to access information pertaining to the at least one IP right in at least one of the authoritative data store and the local data store cache based on a determination by the availability determination module of the availability of the authoritative data store.
- 25 204. A server according to any one of claims 198 to 203, characterised in that the data gateway module is arranged to access information, pertaining to the at least one IP right from the data store, from the group comprising: the application number, publication number, priority date, filing date, publication date, title or subject matter of the IP right, applicant, countries designated, language of the patent specification as filed, and language of the patent specification as published.
- 30 205. A server according to any one of claims 198 to 204, characterised in that the verification module is able to verify the ability to file the national patent application in accordance with regulatory requirements.
- 35 206. A server according to any one of claims 198 to 205, characterised in that the communications module is able to include at least one document file, with the message sent via the communications interface to file the request with the administrative body, to comply with regulatory requirements to validly file the national patent application.
- 40 207. A server according to any one of claims 198 to 206, characterised in that the primary module is able to receive at least some data pertaining to selectable options pertaining to the national patent application.
- 45 208. A server according to any one of claims 198 to 207, characterised in that the primary module is able to receive at least some data pertaining to selectable options selected from the group comprising: amendment of applicant, amendment of title, amendment of inventor, amendment of specification, and amendment of claims.
209. A server according to any one of claims 198 to 208, characterised in that the primary module is able to include explanatory text in the notification based on the least some data pertaining to the selectable options.