

CLAIMS

1. A data processing system for providing user access to one or more devices (108),
the system comprising processing means (103) configured to:
 - i. determine a location identifier for a user;
 - ii. associate the location identifier with a user identifier for the user; and
 - iii. communicate (3013) the location identifier and associated user
identifier to an application (301).
2. The system according to claim 1 or 2 wherein the processing means (103) is further
configured to receive a user login event message (3012) associated with the user.
3. The system according to any preceding claim wherein the processing means (103)
is further configured to generate a user session identifier for the user wherein the
user session identifier is preferably associated with a user login event.
4. The system according to any preceding claim wherein the processing means (103)
is communicatively coupled to sending or receiving means for sending or receiving
one or more messages or data.
5. The system according to any preceding claim wherein the processing means (103)
is further configured to generate a login event message (3013) preferably in
response to receiving the or a user login message (3012).
6. The system according to claim 5 wherein the processing means (103) is further
configured to send the user login event message to the application (301).
7. The system according any preceding claim wherein the location identifier comprises
an alpha-numeric string.
8. The system according to any preceding claim wherein the location identifier is
machine readable and human readable.
9. The system according to any preceding claim wherein the location identifier defines
a predetermined area associated with the one or more devices.

10. The system according to any preceding claim wherein the location identifier is associated with a transportation hub in particular an airport.
11. The system according to any preceding claim wherein the location identifier defines a location at any position within a predetermined area or region.
12. The system according to any preceding claim wherein the location identifier defines the device location according to a hierarchical structure.
13. The system according to any preceding claim wherein the location identifier defines the or each device location within a plurality of different regions and preferably wherein at least some of the different regions define a sub region which is contained within one or more of the other regions and further preferably wherein each sub region defines a portion or part of the one or more of the regions.
14. The system according any preceding claim further comprising an application (101, 111) for receiving a message (3100) comprising first data defining data to be processed by one of the devices (108) in response to a request by the user and preferably wherein the first data comprises the or a location identifier associated with the user or a further user.
15. The system according to claim 14 wherein the first data further comprises any one or more of a device label associated with the location identifier, and preferably wherein the first data comprises the or a further a location identifier concatenated with the device label and preferably wherein the first data is associated with the or a user session identifier.
16. The system according to any preceding claim wherein the or a first data comprises data defining a document to be processed by one of the devices (108) and preferably wherein the first data comprises a location identifier associated with the user or a further user.
17. The system according to any preceding claim wherein the or a first data comprises data defining a boarding pass or a bag tag.

18. The system according to any preceding claim wherein the or an application (101,111) is configured to generate a further message (3110) for processing of at least some of the first data.
- 5 19. The system according to claim 18 wherein the further message (3110) comprises data for printing or processing a document such as a boarding pass or a bag tag and preferably wherein the data for printing a boarding pass or bag tag is encoded within the further message (3110) according to a portable document file format and further preferably wherein the further message (3110) comprises data associated
10 with a boarding pass or bag tag including data defining any one or more of a flight number, departure date, class, origin, destination, departure gate, seat number, passenger name, and seat number, unique bag identifier, and intermediate stops between an origin and destination and preferably wherein the message comprises defining a format associated with the boarding pass or bag tag.
- 15 20. The device according to any preceding claim wherein the processing means (103) is communicatively coupled to a first communication channel (124) and a second communication channel (125) and preferably wherein the first communication channel (124) is linked to or associated with the second channel using the location
20 identifier.
21. The system according to claim 20 wherein only data defining a document to be processed is communicated on the first communication channel (124) and preferably wherein only data defining device capabilities associated with the one or
25 more devices (108) is communicated on the second communication channel (125).
22. The system according to any preceding claim wherein the processing means (103) is communicatively coupled to third communication channel (121, 122) and a fourth communication channel (123) and preferably wherein the third communication
30 channel (124) is linked to or associated with the fourth communication channel using the location identifier.
23. The system according to claim 22 wherein only data defining a document to be processed is communicated on the third communication channel (121, 122) and preferably wherein only data defining device capabilities associated with the one or
35 more devices (108) is communicated on the fourth communication channel (123).

24. The system according to any preceding claim further comprising a field gateway module (FG) or application for uniquely identifying one of a plurality of the devices (108) based on the location identifier and a device label associated with the device and preferably wherein the location identifier and device label are provided within a concatenated field within the message (3100).
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25. The system according to any preceding claim further comprising a module or application (117, 118) for uniquely determining which of the plurality of devices (108) to send the or message (3110) based on a unique device identifier associated with each device.
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26. The system according to any preceding claim further comprising one or more devices (108) for the processing data or a document and preferably wherein the document is a boarding pass or bag tag and preferably wherein the one or more devices (108) are further configured to print or read the data or document.
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27. A data processing method for providing user access to one or more devices (108), the method preferably executed on a computer processor, the method comprising the steps of:
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 - i. determining a location identifier for a user;
 - ii. associating the location identifier with a user identifier for the user; and
 - iii. communicating (3013) the location identifier and associated user identifier to an application (301).
28. The data processing method according to claim 27 further comprising performing the steps according to any one of claims 2 to 26.
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29. A computer program product which when executed performs the method of claim 27 or 28.