

CLAIMS

What is claimed is:

1. In a first electronic entity, said first electronic entity comprising an at least one resource, a method for authenticating said first electronic entity by a second electronic entity, the method comprising:

receiving, from said second electronic entity, a request for authenticating said first electronic entity;

partitioning said an at least one resource as a result of said receiving said request, and

providing to said second electronic entity an access permission to said at least one resource,

wherein said access permission being for said authenticating said first electronic entity by said second electronic entity; said authenticating being by utilizing said at least one resource by said second electronic entity; thereby enabling said second electronic entity the authenticating of said first electronic entity by utilizing said at least one resource.

2. The method of claim 1, wherein said partitioning said an at least one resource being one member of a group consisting of partitioning a memory, partitioning a disk, partitioning software logic, partitioning a chip, partitioning a control resource, partitioning an analog component, partitioning a digital component, partitioning a signal, partitioning a mix signal and partitioning a hardware logic.

3. The method of claim 1, wherein said authenticating said first electronic entity being for one member of a group consisting of communicating with said first electronic entity, utilizing said at least one resource by said first electronic entity and for manipulating data or structure of said first electronic entity.

4. The method of claim 1, further comprising:

establishing a communication session with said second electronic entity, and

utilizing said region for communicating with said second electronic entity during said communication session; thereby enabling said second electronic entity the authenticating of said first electronic entity during said communication session.

5. The method of claim 1, further comprising continuously authenticating said second electronic entity, wherein said authenticating comprising monitoring an operation of said second electronic entity with said one or more resources .

6. The method of claim 1, further comprising: negotiating with said second electronic entity for determining said at least one resource prior to said partitioning said at least one resource.

7. The method of claim 1, further comprising :

establishing a communication session with said second electronic entity ;
continuously negotiating with said second electronic entity for generating a communication protocol for communicating with said second electronic entity during said communication session, and

continuously changing said communication protocol, during said session.

8. The method of claim 7, further comprising: utilizing said communication protocol for charging or changing characteristic of said charging during said charging, thereby providing a secured charging; wherein said charging being changed during said communication session thereby providing a secure charging.

9. The method of claim 1 farther comprising utilizing said at least one resource for monitoring said second electronic entity, by said monitoring, authenticating said second electronic entity and certifying said second electronic entity, according to one member of a group consisting of: utilizing said at least one resource for monitoring changes in an operation of said second electronic entity, utilizing said at least one resource for monitoring changes in a behavior of a user of said second electronic entity and utilizing said at least one resource for monitoring changes in an environment of said second electronic entity.

10. The method of claim 1 farther comprising :

establishing a communication session with said second electronic entity;
negotiating with said second electronic entity for determining characteristic of a communication protocol,

utilizing said communication protocol for communicating with said second electronic entity and adapting said communication protocol to characteristic of said session wherein said characteristic being one member of a group consisting of behavior of a user, and environment changes, changes in operation of said first electronic entity and said second electronic entity.

11. In a first electronic entity, said first electronic entity comprising an at least one resource, a method for sharing resources of said first electronic entity by a second electronic entity , the method comprising:

receiving, from said second electronic entity, a request for sharing said at least one resource with said first electronic entity;

partitioning said an at least one resource as a result of said receiving said request, and

providing to said second electronic entity an access permission to said at least one resource, wherein said access permission being for sharing said at least one resource by said second electronic entity.

12. In a first electronic entity, said first electronic entity comprising an at least one resource, a method for authenticating said first electronic entity by a second electronic entity, the method comprising:

receiving, from said second electronic entity, a request for authenticating said first electronic entity;

partitioning said an at least one resource as a result of said receiving said request, and

providing to said second electronic entity an access permission to said at least one resource; wherein said access permission being for authenticating said at least one resources by said second electronic entity; thereby enabling said second electronic entity the authenticating of said at least one resource entity by utilizing said at least one resource.

13. An electronic entity, said electronic entity comprising an at least one resource, said electronic entity is operable for receiving, from a second electronic entity, a request for authenticating said electronic entity; partitioning said an at least one resource as a result of said receiving said request; and providing to said second electronic entity an access permission to said at least one resource; wherein said access permission being for said authenticating said first electronic entity by said second electronic entity; said authenticating being by utilizing said at least one resource; thereby enabling said second electronic entity the authenticating of said first electronic entity by utilizing said at least one resource.

14. The method of claim 1, wherein said at least one resource being one member of a group consisting of a control resource and a sensor.

15. An electronic entity, said electronic entity comprising an at least one resource, a communication unit and a processing unit:

said communication unit being operable for receiving, from said second electronic entity, a request for sharing said at least one resource with said first electronic entity;

said processing unit being operable for partitioning said an at least one resource as a result of said receiving said request, and for providing to said second electronic entity an access permission to said at least one resource, wherein said access permission being for sharing said at least one resource by said second electronic entity.

16. An electronic entity, said electronic entity comprising an at least one resource, a communication unit and a processing unit

said communication unit being operable for receiving, from said second electronic entity, a request for authenticating said first electronic entity;

said processing unit being operable for partitioning said an at least one resource as a result of said receiving said request, and for providing to said second electronic entity an access permission to said at least one resource; wherein said access permission being for authenticating said at least one resources by said second electronic entity; thereby enabling said second electronic entity the authenticating of said at least one resource entity by utilizing said at least one resource.

17. In a first electronic entity, said first electronic entity comprising an at least one resource a method for communicating with a second electronic entity, the method comprising :

receiving, from said second electronic entity, a request for communicating with said first electronic entity;

partitioning said an at least one resource as a result of said receiving said request,

providing to said second electronic entity an access permission to said at least one resource,

establishing a communication session with said second electronic entity ;

continuously negotiating with said second electronic entity for generating a communication protocol for communicating with said second electronic entity during said communication session; and

continuously changing said communication protocol, during said session.

18. In a first electronic entity, said first electronic entity comprising an at least one resource a method for communicating with a second electronic entity, the method comprising :

receiving, from said second electronic entity, a request for communicating with said first electronic entity;

partitioning said an at least one resource as a result of said receiving said request;

providing to said second electronic entity an access permission to said at least one resource,

establishing a communication session with said second electronic entity ;

continuously negotiating with said second electronic entity for generating a communication protocol for communicating with said second electronic entity during said communication session, wherein said protocol being unique to said first and to said second electronic entity; wherein said protocol being unique to said communication session.

CLAIMS

What is claimed is:

1. In a first electronic entity, said first electronic entity comprising an at least one resource, a method for authenticating said first electronic entity by a second electronic entity, the method comprising:

receiving, from said second electronic entity, a request for authenticating said first electronic entity;

partitioning said at least one resource as a result of said receiving said request, and

providing to said second electronic entity an access permission to said at least one resource,

wherein said access permission being for said authenticating said first electronic entity by said second electronic entity; said authenticating being by utilizing said at least one resource by said second electronic entity; thereby enabling said second electronic entity the authenticating of said first electronic entity by utilizing said at least one resource.

2. The method of claim 1, wherein said at least one resource being one member of a group consisting of a memory partition, a disk partition, software logic, a chip partition, a control resource, an analog component, a digital component, a signal, a mix signal and a hardware logic;

3. The method of claim 1, wherein said authenticating said first electronic entity being for one member of a group consisting of communicating with said first electronic entity, utilizing said at least one resource by said first electronic entity and for manipulating data or structure of said first electronic entity.

4. The method of claim 1, further comprising:

establishing a communication session with said second electronic entity, and

utilizing said session for communicating with said second electronic entity during said communication session; thereby enabling said second electronic entity the authenticating of said first electronic entity during said communication session.

5. The method of claim 1, further comprising continuously authenticating said second electronic entity, wherein said authenticating comprising monitoring an operation of said second electronic entity with said one or more resources.

6. The method of claim 1, further comprising: negotiating with said second electronic entity for determining said at least one resource prior to said partitioning said at least one resource.

7. The method of claim 1, further comprising :

establishing a communication session with said second electronic entity ;

continuously negotiating with said second electronic entity for generating a communication protocol for communicating with said second electronic entity during said communication session, and

continuously changing said communication protocol, during said session.

8. The method of claim 7, further comprising: utilizing said communication protocol for charging or changing characteristic of said charging during said charging, thereby providing a secured charging; wherein said charging being changed during said communication session thereby providing a secure charging.

9. The method of claim 1 farther comprising utilizing said at least one resource for monitoring said second electronic entity, by said monitoring, authenticating said second electronic entity and certifying said second electronic entity, according to one member of a group consisting of: utilizing said at least one resource for monitoring changes in an operation of said second electronic entity, utilizing said at least one resource for monitoring changes in a behavior of a user of said second electronic entity and utilizing said at least one resource for monitoring changes in an environment of said second electronic entity.

10. The method of claim 1 farther comprising :

establishing a communication session with said second electronic entity;

negotiating with said second electronic entity for determining characteristic of a communication protocol,

utilizing said communication protocol for communicating with said second electronic entity and adapting said communication protocol to characteristic of said session wherein said characteristic being one member of a group consisting of behavior of a user, and environment changes, changes in operation of said first electronic entity and said second electronic entity.

11. A method for certifying an electronic entity, the method comprising the steps of:

establishing a communication session with a electronic entity and

certifying, during said communication session, said electronic entity, wherein said certifying being changed during said session according to one member of a group consisting of: changes in an operation of said first electronic entity, changes in a behavior of a user of said first electronic entity and to changes in an environment of said first electronic entity.

12. The method of claim 1, further comprising receiving a first input from a peripheral;

sending a second input to a non secured module; wherein said second input being fake input;

by said second electronic entity sending a request for said secure module for reflecting said second input;

analyzing security and authentication aspects of said communication session and providing a result, and

reflecting said second input and said first input in accordance with said result.

13. In a first electronic entity, said first electronic entity comprising an at least one resource, a method for sharing resources of said first electronic entity by a second electronic entity, the method comprising:

receiving, from said second electronic entity, a request for sharing said at least one resource with said first electronic entity;

partitioning said an at least one resource as a result of said receiving said request, and

providing to said second electronic entity an access permission to said at least one resource, wherein said access permission being for sharing said at least one resource by said second electronic entity.

14. In a first electronic entity, said first electronic entity comprising an at least one resource, a method for authenticating said first electronic entity by a second electronic entity, the method comprising:

receiving, from said second electronic entity, a request for authenticating said first electronic entity;

partitioning said an at least one resource as a result of said receiving said request, and

providing to said second electronic entity an access permission to said at least one resource; wherein said access permission being for authenticating said at least one resources by said second electronic entity; thereby enabling said second electronic entity the authenticating of said at least one resource entity by utilizing said at least one resource.

15. An electronic entity, said electronic entity comprising an at least one resource, said electronic entity is operable for receiving, from a second electronic entity, a request for authenticating said electronic entity; partitioning said an at least one resource as a result of said receiving said request; and providing to said second electronic entity an access permission to said at least one resource; wherein said access permission being for said authenticating said first electronic entity by said second electronic entity; said authenticating being by utilizing said at least one resource; thereby enabling said second electronic entity the authenticating of said first electronic entity by utilizing said at least one resource.

16. The method of claim 1, wherein said at least one resource being one member of a group consisting of a control resource and a sensor.

17. An electronic entity, the electronic entity comprising a communication unit and a processing unit:

said communication unit being operable for establishing a communication session with a second electronic entity and

said processing unit being operable for certifying, during said communication session, said second electronic entity, wherein said certifying being changed during said session according to one member of a group consisting of: changes in an operation of said second electronic entity, changes in a behavior of a user of said second electronic entity and to changes in an environment of said second electronic entity.

18. An electronic entity, said electronic entity comprising an at least one resource, a communication unit and a processing unit:

said communication unit being operable for receiving, from said second electronic entity, a request for sharing said at least one resource with said first electronic entity;

said processing unit being operable for partitioning said an at least one resource as a result of said receiving said request, and for providing to said second electronic entity an access permission to said at least one resource, wherein said access permission being for sharing said at least one resource by said second electronic entity.

19. An electronic entity, said electronic entity comprising an at least one resource, a communication unit and a processing unit

said communication unit being operable for receiving, from said second electronic entity, a request for authenticating said first electronic entity;

said processing unit being operable for partitioning said an at least one resource as a result of said receiving said request, and for providing to said second electronic entity an access permission to said at least one resource; wherein said access permission being for authenticating said at least one resources by said second electronic entity; thereby enabling said second electronic entity the authenticating of said at least one resource entity by utilizing said at least one resource.