

CLAIMS

1. A communication network for providing a distributed ledger comprising a plurality of network nodes comprising circuitry configured to:
 - provide a passenger profile of a passenger to a roaming mobility service provider in response
 - 5 to a booking request, wherein the passenger profile is provided from a home mobility service provider; and
 - provide passenger information based on the passenger profile to a transport operator for allowing a passenger to use a mobility service of the roaming mobility service provider.
2. The communication network of claim 1, wherein the distributed ledger is based on a block-
10 chain.
3. The communication network of claim 1, wherein the passenger profile includes personal data.
4. The communication network of claim 3, wherein the passenger information is indicative of the personal data.
- 15 5. The communication network of claim 1, wherein the passenger information includes at least one of name, date of birth, gender, and passport information of the passenger.
6. A method for controlling a communication network for providing a distributed ledger comprising:
 - providing a passenger profile of a passenger to a roaming mobility service provider in re-
 - 20 sponse to a booking request, wherein the passenger profile is provided from a home mobility service provider; and
 - providing passenger information based on the passenger profile to a transport operator for allowing a passenger to use a mobility service of the roaming mobility service provider.
7. A communication network node comprising circuitry configured to:
 - 25 provide a credential of a passenger based on a decentralized identifier of the passenger, wherein the credential is generated in a decentralized database based on a request to the decentralized database, wherein the request is issued in the communication network node; and
 - transmit the credential to a user equipment for allowing a passenger to use a mobility service of a roaming mobility service provider.
- 30 8. The communication network node of claim 7, the circuitry being further configured to:
 - provide a decentralized identifier wallet.

9. The communication network node of claim 8, wherein the credential is represented in the decentralized identifier wallet.
10. A method for controlling a communication network node comprising:
providing a credential of a passenger based on a decentralized identifier of the passenger,
5 wherein the credential is generated in a decentralized database based on a request to the decentralized database, wherein the request is issued in the communication network node; and
transmitting the credential to a user equipment for allowing a passenger to use a mobility service of a roaming mobility service provider.
11. A user equipment comprising circuitry configured to:
10 receive at least one credential of a plurality of credentials in response to a request of a transport operator to the user equipment, wherein the request of the transport operator is based on a booking request of a roaming mobility service provider for a passenger to the transport operator; and
transmit the at least one credential to the transport operator for allowing the passenger to
15 use a mobility service of the transport operator.
12. The user equipment of claim 11, wherein the credential is verified from the transport operator for allowing the passenger to use a mobility service of the transport operator.
13. The user equipment of claim 12, wherein the verification is based on an enquiry of a centralized database.
- 20 14. The user equipment of claim 13, wherein the centralized database is assigned to at least one issuer of the at least one credential.
15. The user equipment of claim 11, wherein the verification is based on an enquiry of a distributed ledger.
16. The user equipment of claim 15, wherein the distributed ledger is based on a blockchain.
- 25 17. The user equipment of claim 15, wherein the verification of the at least one credential is based on a hash function.
18. The user equipment of claim 17, wherein the verification of the at least one credential is further based on a Merkle tree.
19. An electronic network node comprising circuitry configured to:
30 verify at least one credential of a passenger in response to a request of the passenger to use a mobility service of a roaming mobility service provider, wherein the verifying is based on an enquiry of a distributed ledger.

20. The electronic network node of claim 19, wherein the distributed ledger is based on a block-chain.
21. The electronic network node of claim 19, wherein the verifying of the at least one credential is based on a hash function.
- 5 22. The electronic network node of claim 21, wherein the verifying of the at least one credential is further based on a Merkle tree.
23. A method for controlling an electronic network node comprising:
verifying at least one credential of a passenger in response to a request of the passenger to
use a mobility service of a roaming mobility service provider, wherein the verifying is based on an
10 enquiry of a distributed ledger.
24. The electronic network node of claim 23, wherein the distributed ledger is based on a block-chain.
25. The electronic network node of claim 23, wherein the verifying of the at least one credential is based on a hash function.
- 15 26. The electronic network node of claim 25, wherein the verifying of the at least one credential is further based on a Merkle tree.
27. An electronic network node comprising circuitry configured to:
select at least one credential of a plurality of credentials in response to a request of a user
equipment; and
20 transmit the at least one credential to the user equipment for allowing the passenger to use a
mobility service of the transport operator.
28. A method for controlling an electronic network node comprising:
selecting at least one credential of a plurality of credentials in response to a request of a user
equipment; and
25 transmitting the at least one credential to the user equipment for allowing the passenger to
use a mobility service of the transport operator.