CLAIMS

1. Electric vehicle equipped with a communication network (100) comprising:

- at least one communication bus (102), called main bus; and
- at least two subnetworks (104-110), each subnetwork (104-110) carrying out a communication with at least two components of said vehicle;

each subnetwork (104-110) comprising a communication node (202, 302, 402, 502) connecting said subnetwork (104-110) to said main bus (102);
characterised in that said communication network (100) comprises a subnetwork (110) dedicated to communicating with rechargeable electrical energy storage modules.

2. The vehicle according to the preceding claim, characterized in that at least one subnetwork (104-110) comprises a communication bus (206_1, 208_1, 306_1, 308_1, 408_1, 412_3, 504_1), called secondary bus, connecting several components of said vehicle to the communication node (202, 302, 402, 502) of said subnetwork (104-110).

3. The vehicle according to any one of the preceding claims, characterized in that at least one communication bus (102, 206_1, 208_1, 306_1, 308_1, 408_1, 412_3, 504_1) is a multiplexed communication bus of the CAN (Controller Area Network) type.

4. The vehicle according to any one of the preceding claims, characterized in that, in at least one subnetwork (104-110), the communication node (202, 302, 402, 502) is connected to at least one component (204, 304, 404) of said vehicle via a communication link dedicated to said component, i.e. by a point-to-point connection.

5. The vehicle according to any one of the preceding claims, characterized in that, in at least one subnetwork (104,108), at least one component (210,

410, 412) of said vehicle is connected to the communication node of said subnetwork via another component (208_2, 408_2, 408_4) of said vehicle.

6. The vehicle according to any one of the preceding claims, characterized in that at least one component (112-116) of said vehicle is connected directly to the main communication bus, such as a telemetry component and/or an electrical power conversion component.

7. The vehicle according to any one of the preceding claims, characterized in that at least one, in particular each, subnetwork (104-110) carries out a communication with the components of the vehicle dedicated to a predetermined operation.

8. The vehicle according to any one of the preceding claims, characterized in that at least one, in particular each, communication node (202, 302, 402, 502) is incorporated in a component of said vehicle.

9. The vehicle according to any one of the preceding claims, characterized in that the communication network comprises:

- a subnetwork (108) dedicated to communicating with the components making up a power train, and/or
- a subnetwork (104) dedicated to communicating with the user interface components, and/or
- a subnetwork (106) dedicated to communicating with the operational auxiliary components of said vehicle.

10. The vehicle according to any one of the preceding claims, characterized in that it is an electric public transport land vehicle of the bus, coach or tyred tram type.