

Improvements in the transmission of data or messages on board a vehicle by means of a SOME/IP communication protocol

Software



SOME/IP protocol

Telemetry

Data transmission

4G/5G

Communication protocol

Data security

Innovations/advantages

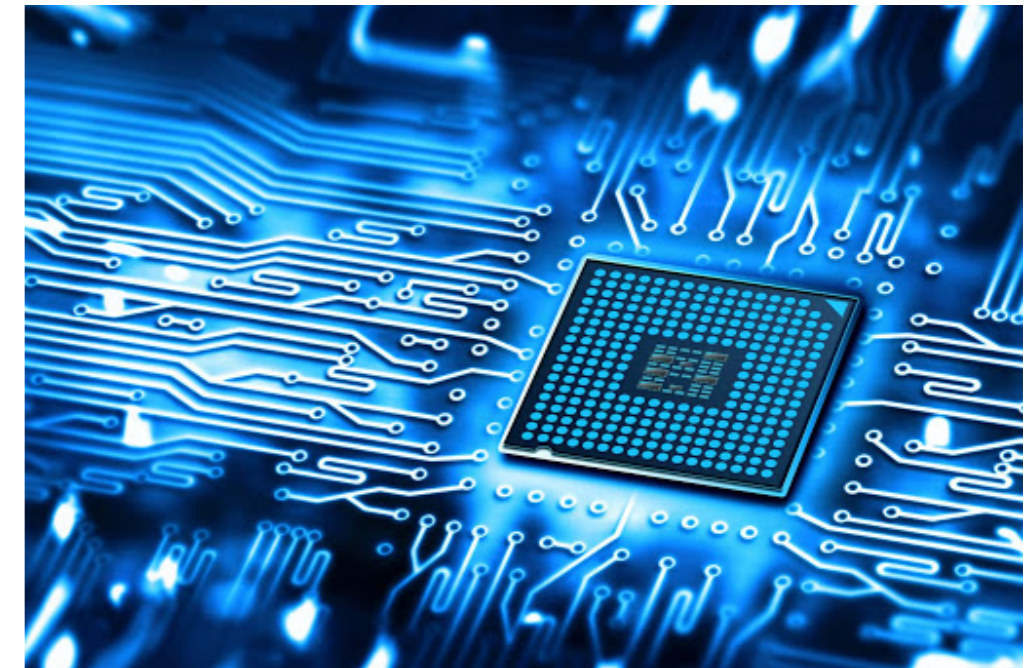
Secure exchange of information within a vehicular communications network;
Prevent third parties from triggering dangerous physical actions on-board a vehicle by means of false commands;
Efficient latency in the transmission of messages and data on the vehicular communications network.

Application field

Vehicles engineering

Product insight

In an increasingly connected world, where information is a precious commodity, the issue of data security and protection is crucial; systems are needed that can track the user wherever he or she is, protecting all connected devices, including the vehicle.
Italdesign has devised a transmission protocol for data security, between entities, for the automotive sector through the SOME/IP (Scalable service-Oriented MiddlewarE over IP) communication protocol.
It is a gateway that allows safe and secure communication between all the control units inside the vehicle via Ethernet as well as external telematic infotainment units, via 4G and 5G protected networks, guaranteeing data security.



Patent Information

Priority Date – 23 April 2019
Application Number
PCT/IB2020/053851
Publication Number
WO 2020/217202 A1
IPR Dossier n. A13

National patent filings

