Title (en)

LOCKING SYSTEM FOR MOTOR VEHICLES

Title (de)

SCHLIESSSYSTEM FÜR KRAFTFAHRZEUGE

Title (fr)

SYSTEME DE FERMETURE POUR AUTOMOBILES

Publication

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Application

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Abstract (en)

[origin: DE19617038A1] In a locking system, as for instance used on a vehicle, a switch or sensor, initiates the interrogation of a data storage medium via a control unit to check for access authorisation. If access authorisation is given the control unit releases the locks of the locking system automatically. To improve user convenience regarding the system release, the invention proposes to integrate at least one capacitive sensor in at least one door handle. For this purpose at least one first electrode is situated in the inner shell of the door handle and a second electrode is placed in the area of a door opposite the handle. By applying an antipole voltage to both electrodes an electrical field is generated between the two. The approach of a hand, which in the invention acts as a dielectric, causes a change in the cumulative dielectric state between the two electrodes. Such a change is recognised by the capacitive sensor and transformed into an electric pulse which initiates in the electrical control unit interrogation of the data storage medium. The data storage medium then sends its data to the on-board electrical control unit which compares the data received with the data stored and releases the locks on the doors of the vehicle if the data match.

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