

Title (en)

MOTOR VEHICLE LOCKING SYSTEM WITH OPEN-ENDED CODE AND IDENTIFICATION

Title (de)

ROLLIERENDES CODE-VERRIEGELUNGSSYSTEM FÜR EIN KRAFTFAHRZEUG UND IDENTIFIKATION

Title (fr)

SYSTEME DE VERROUILLAGE POUR VEHICULE AUTOMOBILE A CODE EVOLUTIF ET IDENTIFICATION

Publication

**EP 1051556 B1 20041201 (FR)**

Application

**EP 99907432 A 19990126**

Priority

- EP 9900520 W 19990126
- FR 9800982 A 19980129

Abstract (en)

[origin: FR2774121A1] The vehicle key (30) contains a remote control module comprising a code transmitter (31) using typically infrared or low power radio and a separate key identification circuit (32). The code (Ci) is pseudo-randomly based on the number of times the key has been operated. In the automobile there is a code detector (10) which tracks the remote code and can operate the door locks. This detector connects through a data bus (B) to a key authentication device (20). When remote unlock is activated by a key user to unlock the vehicle, a security code is transmitted by the key. If the detector recognises the code then the doors are unblocked and vehicle functionality is enabled. If the code is not recognised, for instance when the evolving codes in the vehicle and the key become out of synchronisation, then the doors have to be manually unblocked and vehicle starting remains disabled. Under these circumstances, when the key is placed in the ignition switch the vehicle key authentication system communicates with the key identity circuit by means of some form of magnetic induction coupling. If the key is identified as valid, the code detect system resynchronises itself to the latest code received from the key, and vehicle functionality is enabled.

IPC 1-7

**E05B 49/00**

IPC 8 full level

**G07C 9/00** (2006.01)

CPC (source: EP KR)

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