

Title (en)

ELECTRONIC REMOTE CONTROL DEVICE FOR THE CENTRAL LOCKING SYSTEMS OF MOTOR VEHICLES

Publication

EP 0265728 A3 19890201 (DE)

Application

EP 87114656 A 19871007

Priority

DE 3636822 A 19861029

Abstract (en)

[origin: US4847614A] The electronic remote control means operates according to the known principle of code stepping through which a different code word is used after each transmitting/receiving operation. In accordance with the invention the respective new code word is produced anew by linking according to a given function, starting from a stored original code word and the previous code word. In case of non-agreement between the code word received and the new code word determined at the receiver additional code words are produced in sequence at the receiver. Thereafter, if no agreement results, the receiver switches over to an increased security mode wherein two successive code words in sequence must be successfully compared.

IPC 1-7

E05B 49/00

IPC 8 full level

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CPC (source: EP US)

G07C 9/00182 (2013.01 - EP US); **G07C 2009/0023** (2013.01 - EP US); **G07C 2009/00253** (2013.01 - EP US);
G07C 2009/00769 (2013.01 - EP US)

Citation (search report)

- [X] EP 0171323 A1 19860212 - LEWINER JACQUES [FR], et al
- [A] GB 1595796 A 19810819 - PUSHMAN HUGH JOHN [GB]
- [A] EP 0098437 A2 19840118 - HUELSBECK & FUERST [DE]
- [XP] EP 0219060 A2 19870422 - BAYERISCHE MOTOREN WERKE AG [DE]

Cited by

DE4223258C3; GB2309046A; US5739511A; NL1000341C2; US5365225A; BE1008699A3; US6031912A; FR2745135A1; DE19960783A1; CN107464313A; EP0730072A1; FR2731035A1; WO9607994A1; WO9636026A1; WO9322164A3; WO9215761A1; US6393567B1; US6756878B2; US6310537B1; WO9730424A1; WO9115644A1

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