

Title (en)

Electronic antitheft device comprising an electronic key.

Title (de)

Elektronische Diebstahlsicherung mit einem elektronischen Schlüssel.

Title (fr)

Anti-vol électronique avec une clé électronique.

Publication

EP 0115747 A1 19840815 (EN)

Application

EP 83830002 A 19830111

Priority

EP 83830002 A 19830111

Abstract (en)

The device includes an electronic key (1) which can be engaged with a fixed receiver part (2) which has the function of carrying out a process of identification of the electronic key (1) engaged therewith. The receiver part (2) includes an oscillator (4) connected to a resonant circuit (5, 6) including an inductance (6), and a detector circuit (7) arranged to provide an electrical signal indicative of variations in the characteristics of the voltage across this inductance (6). A comparator circuit (8) is connected to the detector circuit (7) and outputs an enabling signal when the sequential combination of the signal output of the detector circuit (7) coincides with a predetermined sequential combination. The electronic key (1) includes a second inductance (9) which can be coupled magnetically to the first inductance (6) to couple the electronic key (1) to the receiver part (2) and an electronic control circuit (10-16) connected to the second inductance (9) and adapted to vary statically the degree of magnetic coupling between the first and second inductances (6, 9) in a predetermined manner when the electronic key (1) is engaged with the receiver part (2), so as to cause corresponding variations in the characteristics of the voltage across the first inductance (6).

IPC 1-7

E05B 49/00

IPC 8 full level

G07C 9/00 (2006.01)

CPC (source: EP)

G07C 9/00309 (2013.01); **G07C 2009/00777** (2013.01)

Citation (search report)

- [X] DE 2634303 A1 19780202 - KNORR BREMSE GMBH
- [A] GB 1531951 A 19781115 - EASTERN CO
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