

Title (en)

A RADIO FREQUENCY IDENTIFICATION (RFID) SECURITY DEVICE

Title (de)

SICHERHEITSVORRICHTUNG MIT FUNKIDENTIFIZIERUNG

Title (fr)

DISPOSITIF DE SECURITE D'IDENTIFICATION DE RADIOFREQUENCE (RFID)

Publication

EP 1053375 A1 20001122 (EN)

Application

EP 99967218 A 19991207

Priority

- US 9928933 W 19991207
- US 20786198 A 19981208

Abstract (en)

[origin: WO0034605A1] A Radio Frequency Identification (RFID) tag device is configured as an electronic key. The electronic key disables the RFID Input/Output (I/O) by shorting or breaking the conductor between the RFID tag device and its resonant circuit or antenna whenever the electronic key is not inserted into a lock. This is a security measure which prevents unauthorized individuals from reading the electronic key code via a covert/concealed reading device. The circuit is completed by closing the key contacts with a matching shorting bar (normally open application), or spreading the shorted spring contacts with a nonconductive spacer (normally closed application) when the electronic key is inserted inside an electronic locking mechanism. Once the circuit is completed, the wireless transmission of data from the electronic key to the electronic locking mechanism is enabled.

IPC 1-7

E05B 49/00

IPC 8 full level

E05B 49/00 (2006.01); **G06K 19/073** (2006.01); **G07C 9/00** (2006.01); **H04B 5/02** (2006.01)

CPC (source: EP KR)

E05B 49/00 (2013.01 - KR); **G06K 19/07345** (2013.01 - EP); **G07C 9/00714** (2013.01 - EP); **G07C 2009/00603** (2013.01 - EP); **G07C 2009/00793** (2013.01 - EP)

Citation (search report)

See references of WO 0034605A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0034605 A1 20000615; CN 1293732 A 20010502; EP 1053375 A1 20001122; JP 2002531736 A 20020924; KR 20010040777 A 20010515; TW 512196 B 20021201

DOCDB simple family (application)

US 9928933 W 19991207; CN 99804175 A 19991207; EP 99967218 A 19991207; JP 2000587031 A 19991207; KR 20007008669 A 20000808; TW 88121721 A 20000114