

Title (en)

ELECTRONIC LOCKING DEVICE AND SAFETY KEY

Title (de)

ELEKTRONISCHE SCHLIESSEINRICHTUNG UND SICHERHEITSSCHLUESSEL

Title (fr)

DISPOSITIF DE FERMETURE ELECTRONIQUE ET CLE DE SURETE

Publication

EP 1584073 A1 20051012 (DE)

Application

EP 03815349 A 20031215

Priority

- CH 0300818 W 20031215
- CH 672003 A 20030117

Abstract (en)

[origin: WO2004066220A1] Disclosed is an electronic locking device comprising at least one lock unit and a safety key (1) that is provided with at least one control circuit and a transmit and receive circuit which transmits the data signals to the control circuit of the other respective unit. At least one data carrier module (7) comprising an antenna (7a) is provided. The safety key (1) encompasses a mechanical part (3) that is provided with a head (12) and a shaft (4) comprising control areas (5). The data carrier module (7) is inserted into a recess (13, 14, 15) of the mechanical part (3). The safety key (1) is embodied in such a way that it can be or is fitted with at least one second data carrier module (8, 9) which is provided with an independent antenna (8a, 9a) and a frequency that is different from that of the data carrier module. The second data carrier module (8, 9) is or can be inserted into a pocket of a cap (2) which is placed upon the mechanical part (3).

IPC 1-7

G07C 9/00

IPC 8 full level

G07C 9/00 (2006.01)

CPC (source: EP US)

G07C 9/00944 (2013.01 - EP US); **G07C 2009/00341** (2013.01 - EP US); **G07C 2009/00507** (2013.01 - EP US); **G07C 2209/61** (2013.01 - EP US); **Y10T 70/7079** (2015.04 - EP US)

Citation (search report)

See references of WO 2004066220A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK

DOCDB simple family (publication)

WO 2004066220 A1 20040805; AT E378656 T1 20071115; AU 2003303767 A1 20040813; AU 2003303767 B2 20100204; CN 1739122 A 20060222; CN 1739122 B 20110202; DE 50308618 D1 20071227; EP 1584073 A1 20051012; EP 1584073 B1 20071114; ES 2297276 T3 20080501; HK 1081701 A1 20060519; US 2006230796 A1 20061019

DOCDB simple family (application)

CH 0300818 W 20031215; AT 03815349 T 20031215; AU 2003303767 A 20031215; CN 200380108895 A 20031215; DE 50308618 T 20031215; EP 03815349 A 20031215; ES 03815349 T 20031215; HK 06101737 A 20060209; US 54106903 A 20031215