

Title (en)

DEVICE FOR INDICATING THE LOCKED STATE OF A LOCK

Title (de)

VORRICHTUNG ZUR ANZEIGE DES SCHLIESSZUSTANDES EINES SCHLOSSES

Title (fr)

DISPOSITIF INDIQUANT L'ETAT DE FERMETURE D'UNE SERRURE

Publication

EP 1395725 A1 20040310 (DE)

Application

EP 02750988 A 20020529

Priority

- DE 10126526 A 20010530
- EP 0205911 W 20020529

Abstract (en)

[origin: US6959568B2] An apparatus indicates the closure state of a key-operated lock, having a housing that is fitted to the key and has a rotation detection sensor which is held therein and comprises a hollow body that is filled with a first electrically conductive liquid and has electrically conductive contacts for production of electrical contact sequences which are dependent on the closing direction, and having an electronic evaluation unit which uses the contact sequences to determine the closure state of the lock. The hollow body is substantially completely filled with the first electrically conductive liquid and with a second electrically non-conductive fluid that repels the first liquid.

IPC 1-7

E05B 19/22; **H01H 29/20**

IPC 8 full level

E05B 19/22 (2006.01); **H01H 29/20** (2006.01)

CPC (source: EP US)

E05B 19/22 (2013.01 - EP US); **H01H 29/20** (2013.01 - EP US); **Y10S 70/59** (2013.01 - EP US); **Y10T 70/7876** (2015.04 - EP US); **Y10T 70/8027** (2015.04 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 02097223 A1 20021205; AT E307257 T1 20051115; CN 1289776 C 20061213; CN 1524153 A 20040825; DE 10126526 C1 20030130; DE 50204610 D1 20060302; EP 1395725 A1 20040310; EP 1395725 B1 20051019; HK 1068667 A1 20050429; US 2004103702 A1 20040603; US 6959568 B2 20051101

DOCDB simple family (application)

EP 0205911 W 20020529; AT 02750988 T 20020529; CN 02811038 A 20020529; DE 10126526 A 20010530; DE 50204610 T 20020529; EP 02750988 A 20020529; HK 05100937 A 20050204; US 71877803 A 20031121