

Title (en)

PROCESS AND DEVICE FOR CONTROLLING THE CLOSURE OF LOCKS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SCHLIESSKONTROLLE VON SCHLÖSSERN

Title (fr)

PROCEDE ET DISPOSITIF POUR CONTROLER L'ETAT DE FERMETURE DE VERROUS

Publication

**EP 1012430 A1 20000628 (DE)**

Application

**EP 97954476 A 19971230**

Priority

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- EP 9707313 W 19971230

Abstract (en)

[origin: US6255957B1] A process reliably detects the change of the locking state of at least one lock with a logic with memory and display attached to a key. The process includes determining a rotation of the key associated with the lock within the lock, detecting a single or multiple rotation in unlocking or locking direction of the lock and simultaneously determining whether the detected rotation occurs in unlocking or locking direction of the lock. A signal is generated that indicates the unlocking or locking of the lock. This signal is stored in the memory of the logic, and the signal is displayed. A device for implementing the process includes one or several markers mounted near the lock, one or several sensors non-rotatably connected with the key for detecting these markers, a logic attachable to the key with a memory in which data can be stored whereby the logic can process the signals received from the sensors, and a display for displaying the locking state.

IPC 1-7

**E05B 19/22**; E05B 41/00; E05B 39/04; A44B 15/00; G07C 1/32

IPC 8 full level

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CPC (source: EP US)

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See references of WO 9829626A1

Designated contracting state (EPC)

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**US 6255957 B1 20010703**; AT E226675 T1 20021115; AU 5860898 A 19980731; AU 724204 B2 20000914; DE 19654443 A1 19980702; DE 59708583 D1 20021128; EP 1012430 A1 20000628; EP 1012430 B1 20021023; WO 9829626 A1 19980709

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