

Title (en)  
Device for controlling the locking mechanism of a man hole cover

Title (de)  
Vorrichtung zur Verschlusskontrolle eines Strassendeckels

Title (fr)  
Dispositif de contrôle de la position de verrouillage ou de déverrouillage d'un verrou permettant de bloquer à un cadre un couvercle d'obturation de ce cadre

Publication  
**EP 1734192 A1 20061220 (FR)**

Application  
**EP 06290919 A 20060606**

Priority  
FR 0506068 A 20050615

Abstract (en)  
The device has an arm (10) kinematically connected to a bolt (7) of a lock (3) for being moved between two extreme positions respectively corresponding to locking and unlocking positions of the bolt. The lock permits to lock a cover (1) or a sealing buffer to a frame (2) of a pavement manhole. Sensors (11, 12) e.g. magnetic sensors, are integrated to the frame and are connected to a telemonitoring center. The sensors provide information signals corresponding to locking and unlocking positions of the bolt with the cover.

IPC 8 full level  
**E02D 29/14** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP US)  
**E02D 29/1427** (2013.01 - EP US); **Y10T 292/1039** (2015.04 - EP US)

Citation (search report)

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- [A] US 6199414 B1 20010313 - CHANG MING-HUANG [TW]
- [A] EP 0587971 A1 19940323 - FONDATEL S A [BE]

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1734192 A1 20061220; EP 1734192 B1 20090812**; AR 057376 A1 20071128; AT E439477 T1 20090815; AU 2006202543 A1 20070111; AU 2006202543 B2 20090423; BR PI0602695 A 20070221; CA 2548868 A1 20061215; CN 1880714 A 20061220; DE 602006008385 D1 20090924; EC SP066636 A 20080123; ES 2331428 T3 20100104; FR 2887268 A1 20061222; FR 2887268 B1 20070810; MX PA06006749 A 20070119; NO 20062727 L 20061218; SG 128603 A1 20070130; US 2006284427 A1 20061221

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**EP 06290919 A 20060606**; AR P060102555 A 20060615; AT 06290919 T 20060606; AU 2006202543 A 20060614; BR PI0602695 A 20060614; CA 2548868 A 20060606; CN 200610087280 A 20060614; DE 602006008385 T 20060606; EC SP066636 A 20060613; ES 06290919 T 20060606; FR 0506068 A 20050615; MX PA06006749 A 20060614; NO 20062727 A 20060612; SG 200604020 A 20060612; US 45243206 A 20060614