

Title (en)

Closure device with improved security

Title (de)

Verbesserte Sicherheitsverschlussvorrichtung

Title (fr)

Dispositif d'obturation à sécurité accrue

Publication

EP 1239086 B1 20090513 (FR)

Application

EP 02290514 A 20020301

Priority

FR 0103165 A 20010308

Abstract (en)

[origin: EP1239086A1] The manhole cover consists of a frame (1) with a rim (11), an inner stop (12) and a hinge bar (4), and a panel (2) with an eyelet (3) to engage with the hinge bar. The inside of the panel has a key (5) with one end (51) which goes under a catch plate (120) on the stop (12) to prevent the cover being lifted if the hinge bar is cut through by unauthorised persons.

IPC 8 full level

E02D 29/14 (2006.01); **E05D 11/00** (2006.01); **E05D 7/10** (2006.01)

CPC (source: EP)

E02D 29/1427 (2013.01); **E02D 29/1463** (2013.01); **E05D 11/0027** (2013.01); **E05D 7/1072** (2013.01); **E05Y 2999/00** (2024.05)

Cited by

FR2976600A1; US11401681B2; GB2388864A; GB2567822A; US8998528B2; WO2012171960A1; WO2010020325A1

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)

EP 1239086 A1 20020911; **EP 1239086 B1 20090513**; AT E431465 T1 20090515; DE 60232284 D1 20090625; ES 2328560 T3 20091116; FR 2821868 A1 20020913; FR 2821868 B1 20031205; PT 1239086 E 20090914

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