

Title (en)

Device for mutually latching two members, in particular a covering element on a support frame

Title (de)

Verriegelungsvorrichtung zur gegenseitigen Verriegelung zweier Elemente, insbesondere zur Verriegelung eines Abdeckelement auf einem Stützrahmen

Title (fr)

Dispositif de verrouillage mutuel de deux éléments, notamment un élément de recouvrement sur un élément formant cadre support

Publication

EP 1249543 B1 20100929 (FR)

Application

EP 02290933 A 20020412

Priority

- FR 0105141 A 20010413
- US 27039202 A 20021015

Abstract (en)

[origin: EP1249543A1] The lock for two components such as a manhole cover and surrounding frame has a sliding bolt (1) mounted under the cover and actuated by a key (2). The bolt has an aperture (114) into which the key is inserted, and three guide surfaces (112, 113, 115) for a pin (3), an angled bar (4) and the key. The insertion and rotation of the key slides the bolt and at the same time trips it over the edge of the angled bar so that the bar engages with a notched guide surface (113) in the open position and with the back of the bolt in the locked position.

IPC 8 full level

E02D 29/14 (2006.01); **E05B 17/20** (2006.01); **E05C 5/00** (2006.01); **E05B 35/00** (2006.01)

CPC (source: EP US)

E02D 29/1427 (2013.01 - EP US); **E05B 17/2069** (2013.01 - EP US); **E05C 5/00** (2013.01 - EP US); **E05B 35/008** (2013.01 - EP US); **Y10T 70/558** (2015.04 - EP US); **Y10T 70/5584** (2015.04 - EP US); **Y10T 70/5589** (2015.04 - EP US); **Y10T 70/5597** (2015.04 - EP US); **Y10T 292/0889** (2015.04 - EP US); **Y10T 292/1028** (2015.04 - EP US)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1249543 A1 20021016; **EP 1249543 B1 20100929**; BR 0201233 A 20030114; BR 0201233 B1 20101116; FR 2823523 A1 20021018; FR 2823523 B1 20031121; US 2004069024 A1 20040415; US 6735992 B2 20040518; ZA 200202888 B 20021122

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