

Title (en)

MANHOLE COVER

Title (de)

SCHACHTABDECKUNG

Title (fr)

COUVERCLE D'UN REGARD DE CHAUSSEE

Publication

**EP 3019666 B1 20171115 (EN)**

Application

**EP 14747215 A 20140710**

Priority

- US 201313940698 A 20130712
- US 2014046148 W 20140710

Abstract (en)

[origin: WO2015006559A1] A manhole cover assembly configured to behave as a relief valve in an explosion event, opening so that fluid, such as air or explosive gas, may vent from an underground area. The manhole cover assembly may include a manhole cover and a frame, and may be configured to limit movement of the manhole cover with respect to the frame in response to increased pressure on the manhole cover. In one embodiment, the manhole cover may include legs having angled surfaces adapted to substantially center or guide the manhole cover in the frame while the manhole cover displaces to release pressure. In another embodiment, one or more legs slidable within the manhole cover to enable configuring the manhole cover between a restraint mode and a removal mode.

IPC 8 full level

**E02D 29/14** (2006.01)

CPC (source: EP)

**E02D 29/14** (2013.01); **E02D 29/1418** (2013.01)

Cited by

CN111546284A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2015006559 A1 20150115**; CA 2855200 A1 20150112; CA 2855200 C 20161206; EP 3019666 A1 20160518; EP 3019666 B1 20171115; ES 2660066 T3 20180320; TR 201802138 T4 20180321

DOCDB simple family (application)

**US 2014046148 W 20140710**; CA 2855200 A 20140625; EP 14747215 A 20140710; ES 14747215 T 20140710; TR 201802138 T 20140710