

Title (en)

DEVICE FOR ARTICULATING A STOPPER OR LID TO A FRAME IN PARTICULAR OF A MAN HOLE

Title (de)

VORRICHTUNG ZUR GELENKVERBINDUNG EINES STOPFENS ODER DECKELS MIT EINEM RAHMEN, V.A. EINES MANNLOCHES

Title (fr)

DISPOSITIF D'ARTICULATION D'UN TAMPON OU COUVERCLE À UN CADRE NOTAMMENT DE REGARD DE CHAUSSÉE

Publication

EP 1910626 B2 20140910 (FR)

Application

EP 06794224 A 20060726

Priority

- FR 2006001826 W 20060726
- FR 0552334 A 20050727

Abstract (en)

[origin: WO2007012758A2] The invention concerns a device for articulating a stopper or lid to a frame in particular of a man hole. The invention is characterized in that the male articulating member (4) may optionally be mounted either removably in its housing (5) of the frame (1) to enable the stopper (2) to be extracted from the frame (1) in its upright position or secured in its housing (5) such that the stopper (2) is not detachable from the frame (1). The invention is applicable in the field of road system equipment.

IPC 8 full level

E02D 29/14 (2006.01); **E05D 1/06** (2006.01); **E05D 11/00** (2006.01)

CPC (source: EP NO US)

E02D 29/14 (2013.01 - EP NO US); **E02D 29/1427** (2013.01 - NO); **E02D 29/1463** (2013.01 - EP NO US); **E02D 29/1427** (2013.01 - EP US)

Citation (opposition)

Opponent :

- US 3455059 A 19690715 - EVANS PHILIP S
- FR 742942 A 19330318
- DE 9410255 U1 19951102 - GISBERT BRINKSCHULTE G M B H & [DE]
- DE 10046045 C1 20020307 - BUDERUS GUSS GMBH [DE]
- AT 2260 U1 19980727 - ZIRL GUSS GES M B H [AT]
- EP 1160382 A1 20011205 - SAINT GOBAIN PONT A MOUSSON [FR]
- EP 0349752 A1 19900110 - VON ROLL AG [CH]
- EP 0084510 A1 19830727 - DUMORTIER ROBERT
- EP 0286562 A2 19881012 - PONT A MOUSSON [FR]
- EP 0391825 B1 19930519
- EP 0391826 B1 19921021
- DE 4335339 A1 19940505 - BUDERUS GUSS GMBH [DE]
- DE 7044740 U 19710325

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

DOCDB simple family (publication)

WO 2007012758 A2 20070201; WO 2007012758 A3 20070329; AT E417157 T1 20081215; AU 2006273922 A1 20070201; AU 2006273922 B2 20110224; BR PI0614663 A2 20110412; CA 2615686 A1 20070201; CA 2615686 C 20111213; CN 100487206 C 20090513; CN 1904233 A 20070131; CY 1108910 T1 20140702; DE 602006004221 D1 20090122; DK 1910626 T3 20090323; EC SP088137 A 20080220; EG 25475 A 20120115; EP 1910626 A2 20080416; EP 1910626 B1 20081210; EP 1910626 B2 20140910; ES 2319231 T3 20090505; ES 2319231 T5 20141216; FR 2889217 A1 20070202; FR 2889217 B1 20090306; HK 1097890 A1 20070706; MA 29644 B1 20080701; MX 2008001231 A 20080324; NO 20080910 L 20080408; NO 340172 B1 20170320; PL 1910626 T3 20090630; PL 1910626 T5 20160331; PT 1910626 E 20090313; SI 1910626 T1 20090630; SI 1910626 T2 20141231; TN SN08040 A1 20090714; US 2008209680 A1 20080904; US 7908710 B2 20110322; ZA 200800535 B 20081231

DOCDB simple family (application)

FR 2006001826 W 20060726; AT 06794224 T 20060726; AU 2006273922 A 20060726; BR PI0614663 A 20060726; CA 2615686 A 20060726; CN 200610099515 A 20060726; CY 091100265 T 20090310; DE 602006004221 T 20060726; DK 06794224 T 20060726; EC SP088137 A 20080125; EG 2008010124 A 20080123; EP 06794224 A 20060726; ES 06794224 T 20060726; FR 0552334 A 20050727; HK 07104124 A 20070419; MA 30592 A 20080124; MX 2008001231 A 20060726; NO 20080910 A 20080219; PL 06794224 T 20060726; PT 06794224 T 20060726; SI 200630201 T 20060726; TN SN08040 A 20080125; US 99573306 A 20060726; ZA 200800535 A 20080118