

Title (en)

Articulation device for a cover on a frame, in particular for closing an opening in a roadway

Title (de)

Vorrichtung zur gelenkigen Verbindung eines Deckels auf einem Rahmen, nämlich zum Schliessen einer Öffnung in einer Fahrbahn

Title (fr)

Dispositif d'articulation d'un tampon sur un cadre pour obturer notamment une ouverture dans une chaussée

Publication

EP 0681066 B1 19990804 (FR)

Application

EP 95401041 A 19950504

Priority

FR 9405545 A 19940505

Abstract (en)

[origin: EP0681066A1] The hinge connects a manhole cover (2) to a frame (1) set in a road surface, and consists of at least two lugs (7) on the underside of the cover, one of which has a projection (8), and a vertical tongue (9) fixed to the frame. The tongue is inserted between the two lugs and held in place by a detachable hinge pin (3), while the frame has a notch (15) in it to receive the projection when the cover is raised, holding the cover in the open position. The cover is released again by lifting it before closing. Each of the lugs has a rounded corner (7a) which presses against the wall (10) of the frame as the cover is opened, and the frame has a recess (17) situated to the rear of the notch and providing room for the notch to move as the cover is opened and closed. The top of the tongue has a second notch (16) to engage with a U-shaped recess (18) in the cover when the latter is open. <IMAGE>

IPC 1-7

E02D 29/14

IPC 8 full level

E02D 29/14 (2006.01); **E02D 29/12** (2006.01)

CPC (source: EP)

E02D 29/14 (2013.01); **E02D 29/1463** (2013.01)

Cited by

ES2578371A1; CN102191780A; AT2260U1; CN102341545A; FR2919002A1; GB2355038A; US9267261B2; FR2839992A1; CN1320218C; HRP20041099B1; ES2616275A1; WO2009019379A3; WO03100179A1; US7448512B2; US7942289B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0681066 A1 19951108; **EP 0681066 B1 19990804**; AT E182940 T1 19990815; DE 681066 T1 19961212; DE 69511153 D1 19990909; DE 69511153 T2 20000309; DK 0681066 T3 20000313; ES 2088853 T1 19961001; ES 2088853 T3 19991116; FR 2719612 A1 19951110; FR 2719612 B1 19960621; GR 3031571 T3 20000131; GR 960300048 T1 19960831

DOCDB simple family (application)

EP 95401041 A 19950504; AT 95401041 T 19950504; DE 69511153 T 19950504; DE 95401041 T 19950504; DK 95401041 T 19950504; ES 95401041 T 19950504; FR 9405545 A 19940505; GR 960300048 T 19960831; GR 990402668 T 19991020