

Title (en)

Manhole road covering with hinged lid, damping joint and overturning closure.

Title (de)

Fahrbahnschachtsabdeckung mit Gelenkdeckel, Dämpffuge und Kantelschliessung.

Title (fr)

Regard de chaussée à tampon articulé, joint d'amortissement et à fermeture par basculement.

Publication

EP 0451064 A1 19911009 (FR)

Application

EP 91420107 A 19910328

Priority

FR 9004758 A 19900405

Abstract (en)

This manhole with a hinged lid and damping joint is of the type composed of a circular frame (2) with a internal collar (2) and of a single circular lid (3) articulated by a radial tenon (4) disposed in a lug (6) of the frame. According to the invention, the damping joint (13) has an inverted T-shaped cross section whose stem is force fitted into a circular groove opening from the lower surface of the lid (3) and whose bearing surface is such that it comes to bear on the collar (14) of the frame, this joint being associated with guidance means (15-16-17-18) for the pivoting of the lid during its overturning closing phase and with guidance means (27) for the insertion of the circular rib (10) of the lid (3) into the opening formed by the collar (14) of the frame (2). <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); **E02D 29/149** (2013.01)

Citation (search report)

- [A] DE 2748974 A1 19790503 - BETON AG
- [A] FR 1426805 A 19660128 - PASSAVANT WERKE
- [A] NL 7303533 A 19740917
- [A] GB 451914 A 19360813 - WALTER JOSEPH WOODROW, et al
- [A] FR 2548254 A1 19850104 - DUMORTIER ROBERT [FR]
- [A] US 1623477 A 19270405 - HORNI PAUL P

Cited by

EP3115515A1; EP0985770A1; EP0814204A1; CZ298564B6; FR2797647A1; GB2391245A; GB2391245B; EP0681066A1; FR2719612A1; FR3038628A1; CN106337441A; EP1201829A1; FR2815979A1; GB2569027A; GB2569027B; EP1818458A1; FR2897371A1; FR2788070A1; US7908798B2; FR2793267A1; US6676332B1; CZ299923B6; HRP20010817B1; WO0114647A1; WO0068517A1; EP2807308A1

Designated contracting state (EPC)

AT BE CH DE DK ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0451064 A1 19911009; EP 0451064 B1 19930505; AT E89047 T1 19930515; DE 69100073 D1 19930609; DE 69100073 T2 19931007; DK 0451064 T3 19931108; ES 2041550 T3 19931116; FR 2660678 A1 19911011; FR 2660678 B1 19930521; PT 8698 T 19930630; PT 8698 U 19951229

DOCDB simple family (application)

EP 91420107 A 19910328; AT 91420107 T 19910328; DE 69100073 T 19910328; DK 91420107 T 19910328; ES 91420107 T 19910328; FR 9004758 A 19900405; PT 869893 U 19930210