

Title (en)

Waterproof sealing device for covering an opening, such as a manhole cover

Title (de)

Wasserdichte Verschlussvorrichtung für eine Öffnung, insbesondere eine Schachtabdeckung

Title (fr)

Dispositif d'obturation étanche à l'eau d'une ouverture, telle que regard de chaussée

Publication

**EP 1452648 B1 20051207 (FR)**

Application

**EP 04290491 A 20040224**

Priority

FR 0302358 A 20030226

Abstract (en)

[origin: EP1452648A1] The device has a peripheral watertight joint (8) of an elastomer material arranged on a horizontal blade (2) of a frame bordering an opening and proximate to a vertical blade (3). A cylindrical watertight joint (9) is mounted between two vertical walls (5) facing one on another with a manhole cover (4). The cylindrical joint has an end with a joint arranged on the corresponding horizontal blade of the frame.

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 29/1436** (2013.01); **E02D 29/149** (2013.01)

Cited by

EP1932971A1; FR2910030A1; US7491010B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1452648 A1 20040901**; **EP 1452648 B1 20051207**; AT E312242 T1 20051215; DE 602004000208 D1 20060112; DE 602004000208 T2 20060803; ES 2255037 T3 20060616; FR 2851591 A1 20040827; FR 2851591 B1 20050513

DOCDB simple family (application)

**EP 04290491 A 20040224**; AT 04290491 T 20040224; DE 602004000208 T 20040224; ES 04290491 T 20040224; FR 0302358 A 20030226