

Title (en)

Manhole cover with plastic corners

Title (de)

Schachtabdeckung mit Ecken aus Kunststoff

Title (fr)

Couvercles de regard avec joints d'angle en matière plastique

Publication

**EP 1004709 B1 20021023 (DE)**

Application

**EP 99112996 A 19990706**

Priority

DE 19854134 A 19981124

Abstract (en)

[origin: EP1004709A1] The manhole cover (1) has a base surface (2) with frame (3) filled with a cast material (4). The corners (5) of the cover are of plastic and have projections (6), which project over the outer edge of the frame. When the cover is in place, the plastic corner projections only touch the inner edge (7) of the shaft opening, and the projections of neighboring corners. The cover has a ventilation grid (8) of plastic. Corners and grids of a high-strength fiber-reinforced material, and all metal parts of the cover are of corrosion-proof material, esp. stainless steel.

IPC 1-7

**E02D 29/14**

IPC 8 full level

**E02D 29/14** (2006.01)

CPC (source: EP)

**E02D 29/14** (2013.01); **E02D 29/1454** (2013.01); **E02D 2200/1628** (2013.01); **E02D 2300/0006** (2013.01); **E02D 2300/0031** (2013.01)

Cited by

FR2893642A1; CN101863081A; CN1325732C; US11066803B2; US10197088B2; US10240316B2; US9919853B2; US9932157B2; USD841279S

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1004709 A1 20000531**; **EP 1004709 B1 20021023**; AT E226665 T1 20021115; DE 19854134 A1 20000525; DE 59903156 D1 20021128; DK 1004709 T3 20030224; ES 2186281 T3 20030501

DOCDB simple family (application)

**EP 99112996 A 19990706**; AT 99112996 T 19990706; DE 19854134 A 19981124; DE 59903156 T 19990706; DK 99112996 T 19990706; ES 99112996 T 19990706