

Title (en)

Lid for the manhole of a tank

Title (de)

Mannlochdeckel für eine Tanköffnung

Title (fr)

Couvercle obturant le trou d'homme d'un réservoir

Publication

EP 1688371 B1 20070627 (DE)

Application

EP 05002239 A 20050203

Priority

EP 05002239 A 20050203

Abstract (en)

[origin: EP1688371A1] The manhole cover (1) has a locking system (10) for opening and shutting the cover as well as a sealing around the outer perimeter area (3) of the cover's base body (2) or around the inner edge (9) of the tank opening, and which has a seal ring (8) to enable a clean and resistance-free cleaning of the cover. The base body is built as a bevelled shape with a conical outer perimeter area, whilst the seal ring is located in a groove (5) in the outer perimeter area or in a groove of the conical inner edge, with the outer perimeter area of the inner edge lying in a stop (21) around the cover. The stop may have a projection either on the outer perimeter area or the inner edge of the tank opening. The stop may have a cross-section that is corrugated, rectangular, trapezoid or semi-trapezoid.

IPC 8 full level

B65D 90/10 (2006.01)

CPC (source: EP)

B65D 90/10 (2013.01)

Cited by

DE102016012780B4; CN106628712A; US2022201989A1; EP3968765A4; DE202015008885U1; DE102016012780A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1688371 A1 20060809; EP 1688371 B1 20070627; AT E365691 T1 20070715; DE 502005000936 D1 20070809; ES 2289607 T3 20080201; PL 1688371 T3 20071130

DOCDB simple family (application)

EP 05002239 A 20050203; AT 05002239 T 20050203; DE 502005000936 T 20050203; ES 05002239 T 20050203; PL 05002239 T 20050203