

Title (en)
MANHOLE COVER MADE OF PIG IRON AND CONCRETE

Publication
EP 0372545 B1 19920415 (DE)

Application
EP 89122548 A 19891207

Priority
DE 3841213 A 19881207

Abstract (en)
[origin: EP0372545A2] A manhole cover made of pig iron having a concrete filling has a trough-shaped shell (5), an outer support ring (13) and in between a circle of ventilation openings (23) between which radial inset ribs (11) run. To reduce the proportion of pig iron, the shell (5) is drawn to the outside to such an extent that the ventilation openings (23), in their upper area, lie partly inside the width of the support ring (13) and, as sloping shafts which are separated from one another only by the ribs (11) and are defined on the inside by the outer contour of the shell, run radially downwards to the inside in order to open out at the bottom inside the support ring (13). <IMAGE>

IPC 1-7
E02D 29/14

IPC 8 full level
E02D 29/14 (2006.01)

CPC (source: EP)
E02D 29/14 (2013.01); **E02D 29/149** (2013.01)

Cited by
EP0570663A1; DE19742056C1; DE19641473C1; US10962253B2; US11346566B2; WO9827285A1; US11060754B2; US11561023B2

Designated contracting state (EPC)
AT BE CH DE FR IT LI LU NL

DOCDB simple family (publication)
EP 0372545 A2 19900613; EP 0372545 A3 19901031; EP 0372545 B1 19920415; AT E74985 T1 19920515; DE 3841213 A1 19900613; DE 3841213 C2 19901129; DE 58901182 D1 19920521

DOCDB simple family (application)
EP 89122548 A 19891207; AT 89122548 T 19891207; DE 3841213 A 19881207; DE 58901182 T 19891207