

Title (en)
GRATING

Title (de)
ABDECKROST

Title (fr)
GRILLE DE COUVERTURE

Publication
EP 3102748 A2 20161214 (DE)

Application
EP 15701992 A 20150203

Priority
• DE 102014101322 A 20140204
• EP 2015052124 W 20150203

Abstract (en)
[origin: CA2938216A1] Hitherto known gratings for covering shafts, channels or similar structures comprise peripheral rails (10, 10') cross-bars (20) that are joined to the peripheral rails (10, 10') and consist of sheet metal sections, and longitudinal bars (30) joined to the cross-bars (20). In order to provide a better foothold and improved anti-skid properties, the longitudinal bars (30) are secured to the cross-bars (20) in such a way that top stepping surfaces (31) of the longitudinal bars (30) are lower than or flush with at least stepping portions (21) of upper edges (22) of the cross-bars (20).

IPC 8 full level
E03F 5/06 (2006.01); **E04C 2/42** (2006.01)

CPC (source: CN EP RU US)
E03F 5/04 (2013.01 - US); **E03F 5/06** (2013.01 - CN EP RU US); **E04C 2/423** (2013.01 - EP US); **E03F 2005/065** (2013.01 - EP US)

Citation (search report)
See references of WO 2015117932A2

Citation (examination)
• DE 7509303 U 19750731 - LICHTGITTER-GESELLSCHAFT GMBH [DE]
• DE 1659147 A1 19701223 - KIRCHNER GITTERROSTFABRIK GEB
• US 3156168 A 19641110 - NAGIN HARRY S, et al
• GB 2106948 A 19830420 - HARMER BRIAN
• WO 0003104 A1 20000120 - LIVINGSTON OWEN LYELL [ZA]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102014101322 A1 20150806; DE 102014101322 B4 20180530; AU 2015215078 A1 20160818; AU 2018202466 A1 20180510; AU 2018202466 B2 20200305; CA 2938216 A1 20150813; CA 2938216 C 20190910; CN 106103857 A 20161109; EP 3102748 A2 20161214; EP 3102748 B1 20210915; ES 2900350 T3 20220316; LT 3102748 T 20211227; MX 2016009161 A 20160909; NZ 722145 A 20170929; PL 3102748 T3 20220131; RU 2667774 C1 20180924; UA 117609 C2 20180827; US 2016326735 A1 20161110; WO 2015117932 A2 20150813; WO 2015117932 A3 20151001; WO 2015117932 A9 20151119

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