

Title (en)
RAIL OF A DRAINAGE CHANNEL

Title (de)
ZARGE EINER ENTWÄSSERUNGSRINNE

Title (fr)
CHÂSSIS DE CANIVEAU

Publication
EP 2931987 A1 20151021 (DE)

Application
EP 13799303 A 20131204

Priority
• DE 102012111960 A 20121207
• EP 2013075446 W 20131204

Abstract (en)
[origin: WO2014086808A1] Frames for drainage channels or manholes are known on which a cover of a channel or of a manhole can be placed. The frame has a horizontal bearing face (10) extending in a longitudinal direction of the drainage channel or of the manhole and, substantially perpendicular to this bearing face, a frame border (11) on the inner face (12) of which the cover can be placed and on the outer face (13) of which a surface covering can be applied. To increase the strength, it is proposed that the bearing face (10) and/or the inner face (12) and/or the outer face (13) is/are provided with beads (20, 22, 23) over the entire length of the frame (1).

IPC 8 full level
E03F 3/04 (2006.01); **E01C 11/22** (2006.01); **E02D 29/14** (2006.01); **E03F 5/06** (2006.01)

CPC (source: EP RU US)
E01C 11/227 (2013.01 - EP US); **E02D 29/14** (2013.01 - EP US); **E02D 29/149** (2013.01 - EP US); **E03F 3/04** (2013.01 - RU); **E03F 3/046** (2013.01 - EP US); **E03F 5/06** (2013.01 - EP US)

Citation (search report)
See references of WO 2014086808A1

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

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WO 2014086808 A1 20140612; AU 2013354116 A1 20150423; AU 2013354116 B2 20171221; BR 112015013160 A2 20170711; BR 112015013160 B1 20210803; CN 104838074 A 20150812; CN 104838074 B 20180605; DE 102012111960 A1 20140612; DE 102012111960 A8 20150827; EP 2931987 A1 20151021; EP 2931987 B1 20200122; ES 2792907 T3 20201112; JP 2015536394 A 20151221; PL 2931987 T3 20200810; RU 2015126897 A 20170111; RU 2632090 C2 20171002; US 2016194837 A1 20160707; US 9809935 B2 20171107; ZA 201504469 B 20160831

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