

Title (en)
GUTTER

Title (de)
RINNE

Title (fr)
CANIVEAU

Publication
EP 3420148 A1 20190102 (DE)

Application
EP 17706745 A 20170222

Priority
• DE 102016103274 A 20160224
• EP 2017053996 W 20170222

Abstract (en)
[origin: WO2017144501A1] The invention relates to a gutter element for draining, for example, road surfaces, which can be joined together to form a line of guttering. In order to seal off the connection, an elastic seal (30) is provided in the abutment region. In order to improve the hydraulic properties of the gutter, the cross-sectional profile of the invert (16) of the gutter (10) is substantially V-shaped. To improve sealing, the profile following the seal (30) in cross-section should be formed differently to that of the invert (16) in such a way that it has a constant maximum radius of curvature in the region of the gutter invert.

IPC 8 full level
E03F 3/04 (2006.01)

CPC (source: EP RU US)
E01C 11/22 (2013.01 - RU); **E01C 11/227** (2013.01 - US); **E03F 3/04** (2013.01 - RU); **E03F 3/046** (2013.01 - EP US);
E01C 2201/20 (2013.01 - US)

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 102016103274 A1 20170824; AU 2017224356 A1 20180823; AU 2017224356 B2 20201224; CN 108699832 A 20181023;
EP 3420148 A1 20190102; EP 3420148 B1 20200506; EP 3420148 B2 20230809; ES 2809718 T3 20210305; ES 2809718 T5 20240222;
PL 3420148 T3 20201102; RU 2708315 C1 20191205; US 10450707 B2 20191022; US 2019145054 A1 20190516;
WO 2017144501 A1 20170831

DOCDB simple family (application)
DE 102016103274 A 20160224; AU 2017224356 A 20170222; CN 201780012832 A 20170222; EP 17706745 A 20170222;
EP 2017053996 W 20170222; ES 17706745 T 20170222; PL 17706745 T 20170222; RU 2018133054 A 20170222;
US 201716075737 A 20170222