

Title (en)

CHANNEL ELEMENT FOR ROAD DRAINAGE GUTTER

Title (de)

KANALELEMENT FÜR STRASSENABFLUSSRINNE

Title (fr)

ELEMENT DE CANIVEAU POUR CANIVEAU DE DRAINAGE POUR CHAUSSEES

Publication

EP 1444402 B1 20091202 (FR)

Application

EP 02795341 A 20021025

Priority

- FR 0203668 W 20021025
- FR 0113841 A 20011026

Abstract (en)

[origin: WO03035983A1] The invention concerns a channel element (1) for roadway drainage gutter, consisting of a thermoplastic trench body (2) with U-shaped cross-section whereof the horizontal upper ends of the branches (2a) are designed to receive a metallic rabbet (3) for receiving and maintaining a metal grate (4) fixed to the channel body (2) with fixing means such as a screw (9)/nut (10), the trench body (2) including at least a bore (6) arranged at the horizontal upper ends of its branches (2a) to be aligned with matching orifices (7, 8) provided respectively in the rabbet (3) and in the grid (4) for receiving, preferably with clearance, a screw for fixing (9) the grid. Another bore (11) of smaller diameter than the diameter of the screw (9) is provided beneath said housing.

IPC 8 full level

E01C 11/22 (2006.01)

CPC (source: EP US)

E01C 11/227 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03035983 A1 20030501; AT E450657 T1 20091215; CA 2460506 A1 20030501; CA 2460506 C 20100720; DE 60234628 D1 20100114; EP 1444402 A1 20040811; EP 1444402 B1 20091202; ES 2340918 T3 20100611; FR 2831566 A1 20030502; FR 2831566 B1 20040227; PL 202789 B1 20090731; PL 368124 A1 20050321; US 2005055887 A1 20050317; US 7048466 B2 20060523

DOCDB simple family (application)

FR 0203668 W 20021025; AT 02795341 T 20021025; CA 2460506 A 20021025; DE 60234628 T 20021025; EP 02795341 A 20021025; ES 02795341 T 20021025; FR 0113841 A 20011026; PL 36812402 A 20021025; US 49359504 A 20041015