

Title (en)
DRAINAGE CHANNEL

Publication
EP 0112287 B2 19920325 (DE)

Application
EP 83810547 A 19831122

Priority
• CH 566283 A 19831018
• CH 682682 A 19821123

Abstract (en)
[origin: US4621939A] The drainage channel comprises a channel body (1), cast frame (2) and cast grid (3). The support surface of the side walls (11) of the channel body (1) are of stepped construction, with a raised external supporting rib (13). The frame (2) is rectangular, with a lowered support rail (28) as support for the side ribs (30) of the grid (3). On the outside the frame (2) has detachably fastened brake lugs (23), which in the installed state prevent displacement of the frame (2). Locking bar holders (44) of roughly H-shaped cross-section are disposed in the side walls (11) some distance below the support surface. These locking bar holders form a closure between the interior of the channel body and the exterior. On the inside a side wall (79) forms an obtuse angle with the wall (75), so that the locking bar (45) can easily be turned into the inner recess (78). A drainage channel of this kind can easily be adapted to the different heights in the case of stepwise laying of the base course and cover layer, and it can be cast in a simple manner in polyester concrete. At the same time it also has a plurality of anchoring ribs at the side of the retaining lugs, thus ensuring good anchorage in all directions.

IPC 1-7
E01C 11/22

IPC 8 full level
E01C 11/22 (2006.01)

CPC (source: EP US)
E01C 11/227 (2013.01 - EP US); **Y10T 137/7021** (2015.04 - EP US)

Cited by
FR2791715A1; DE19526985C2; DE10337263B3; DE10356168B4; USRE33439E; EP0380901A1; AU613940B2; US5564860A; EP0206996A3; CN111749071A; WO2005019547A1; WO03002825A1; EP1632605A1

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