

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  
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Designated contracting state (EPC)  
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**EP 0151684 A1 19850821; EP 0151684 B1 19870304**; DE 3360526 D1 19850912; DE 8333233 U1 19840216; DK 159622 B 19901105; DK 159622 C 19910408; DK 534683 A 19840524; DK 534683 D0 19831122; EP 0112287 A1 19840627; EP 0112287 B1 19850807; EP 0112287 B2 19920325; FR 2536436 A1 19840525; FR 2536436 B3 19870507; GB 2133443 A 19840725; GB 2133443 B 19860521; GB 8331249 D0 19831229; US 4621939 A 19861111

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**EP 84111324 A 19831122**; DE 3360526 T 19831122; DE 8333233 U 19831119; DK 534683 A 19831122; EP 83810547 A 19831122; FR 8318663 A 19831123; GB 8331249 A 19831123; US 55359283 A 19831121