

Title (en)  
Surface covering element for forming a drainage channel

Title (de)  
Bodenbelagelement zur Bildung einer Bodenrinne

Title (fr)  
Élément de revêtement de sol pour former un caniveau de drainage

Publication  
**EP 1239081 A3 20030806 (DE)**

Application  
**EP 02004161 A 20020226**

Priority  
DE 10110766 A 20010307

Abstract (en)  
[origin: EP1239081A2] The ground surface cladding component (10) to form a road drainage gutter, of concrete or natural/artificial stone, has an upper (11) and a lower (12) side and a number of side surfaces (13,14). A gutter section (16) is at the upper surface with an identical entry (Q1A) and exit (Q1E) cross section. The under side of the block also has a gutter (17), with its entry (Q2A) and/or exit (Q2E) cross section identical with the dimensions of the upper gutter.

IPC 1-7  
**E01C 11/22**

IPC 8 full level  
**E01C 11/22** (2006.01)

CPC (source: EP)  
**E01C 11/229** (2013.01)

Citation (search report)  
• [X] US 4780433 A 19881025 - KELLER JR FRED [US]  
• [A] DE 9205884 U1 19920702  
• [A] DE 4428482 A1 19960215 - HEINRICH KLOSTERMANN GMBH & CO [DE]

Cited by  
EP2239373A3; EP1892330A3; ES2262437A1; WO2006120275A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1239081 A2 20020911; EP 1239081 A3 20030806; EP 1239081 B1 20040929**; AT E278068 T1 20041015; DE 10110766 A1 20020919; DE 50201128 D1 20041104; DK 1239081 T3 20050207; ES 2230407 T3 20050501; PT 1239081 E 20050131

DOCDB simple family (application)  
**EP 02004161 A 20020226**; AT 02004161 T 20020226; DE 10110766 A 20010307; DE 50201128 T 20020226; DK 02004161 T 20020226; ES 02004161 T 20020226; PT 02004161 T 20020226