

Title (en)  
Surface drainage device

Title (de)  
Oberflächenentwässerungseinrichtung

Title (fr)  
Dispositif de drainage d'une surface

Publication  
**EP 0601447 B1 20000816 (DE)**

Application  
**EP 93119304 A 19931130**

Priority  
• DE 4241705 A 19921210  
• DE 4327810 A 19930818

Abstract (en)  
[origin: EP0601447A1] Drainage gutters are known, which exhibit a covering (30) with cutouts (31, 31') which can be fastened, by means of fastening devices, on a gutter body (1) installed in the ground. It is proposed to provide, as fastening devices, at least one locking bar (60) which is mounted in the covering (30) and can be displaced, in the direction of a longitudinal border (32) of the covering (30), into a locking position and out of this into an opening position. Provided on the body (1) is a locking-bar counterpiece (26) which, upon displacement of the locking bar (60) into the locking position, moves into engagement with the locking bar (60) such that the covering (30) is held on the body (1). <IMAGE>

IPC 1-7  
**E03F 5/06**; **E01C 11/22**; **E02D 29/14**

IPC 8 full level  
**E01C 9/10** (2006.01); **E01C 11/22** (2006.01); **E02D 29/14** (2006.01); **E03F 5/04** (2006.01); **E03F 5/06** (2006.01)

CPC (source: EP US)  
**E01C 11/227** (2013.01 - EP US); **E02D 29/14** (2013.01 - EP US); **E02D 29/1427** (2013.01 - EP US); **E03F 5/06** (2013.01 - EP US)

Cited by  
CN104695536A; EP0675230A1; FR2718177A1; CN104695534A

Designated contracting state (EPC)  
AT BE CH DE DK ES FR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0601447 A1 19940615**; **EP 0601447 B1 20000816**; AT E192202 T1 20000515; AT E195566 T1 20000915; CA 2111127 A1 19940611; CZ 268993 A3 19940615; CZ 280595 B6 19960214; DE 59310020 D1 20000531; DE 59310088 D1 20000921; EP 0695835 A2 19960207; EP 0695835 A3 19960327; EP 0695835 B1 20000426; ES 2147811 T3 20001001; ES 2150930 T3 20001216; NO 934465 D0 19931208; NO 934465 L 19940613; PL 172414 B1 19970930; PL 301388 A1 19940613; US 5462382 A 19951031

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**EP 93119304 A 19931130**; AT 93119304 T 19931130; AT 95115949 T 19931130; CA 2111127 A 19931210; CZ 268993 A 19931208; DE 59310020 T 19931130; DE 59310088 T 19931130; EP 95115949 A 19931130; ES 93119304 T 19931130; ES 95115949 T 19931130; NO 934465 A 19931208; NO 934465 D 19931208; PL 30138893 A 19931209; US 16233793 A 19931203