

Title (en)  
DRAINAGE DEVICE

Title (de)  
ENTW SSERUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE DRAINAGE

Publication  
**EP 1597441 B1 20061018 (DE)**

Application  
**EP 04710360 A 20040212**

Priority  
• EP 2004001324 W 20040212  
• DE 20302195 U 20030212

Abstract (en)  
[origin: US2007144954A1] The invention discloses a drainage device for surface drainage, in particular a drainage channel, comprising a, preferably elongate, basic element ( 12 ), a lid ( 22 ), preferably a cover grate, covering an opening ( 16 ) in the basic element ( 12 ), and comprising at least one locking engagement means ( 38, 40 ) for the locking engagement of the lid ( 22 ) to the basic element ( 12 ), the engagement means ( 38, 40 ) comprising at least one first element ( 42 ) for locking to the basic element ( 12 ) and at least one second locking element ( 44 ), which is integral with the lid ( 22 ) and may be brought into directly locking engagement with the first locking element ( 42 ). The unique feature of the invention is that at least one projection ( 34, 36 ), which protrudes in the direction of the base ( 18 ) of the basic element ( 12 ) and holds the second locking element ( 44 ), is substantially rigidly secured to the lid ( 22 ).

IPC 8 full level  
**E03F 5/06** (2006.01)

CPC (source: EP US)  
**E03F 5/06** (2013.01 - EP US); **E03F 2005/065** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2007144954 A1 20070628**; AT E343023 T1 20061115; CN 1795310 A 20060628; DE 20302195 U1 20040617;  
DE 502004001804 D1 20061130; DK 1597441 T3 20070219; EP 1597441 A1 20051123; EP 1597441 B1 20061018;  
WO 2004072391 A1 20040826

DOCDB simple family (application)  
**US 54553904 A 20040212**; AT 04710360 T 20040212; CN 200480003971 A 20040212; DE 20302195 U 20030212;  
DE 502004001804 T 20040212; DK 04710360 T 20040212; EP 04710360 A 20040212; EP 2004001324 W 20040212