

Title (en)  
GRATING PLATE ARRANGEMENT

Title (de)  
ROSTPLATTENANORDNUNG

Title (fr)  
ENSEMBLE DE PLAQUES A GRILLES

Publication  
**EP 0740766 B1 20000308 (DE)**

Application  
**EP 95937076 A 19951115**

Priority  
• DE 4441009 A 19941117  
• EP 9504495 W 19951115

Abstract (en)  
[origin: US5862906A] PCT No. PCT/EP95/04495 Sec. 371 Date Jun. 11, 1996 Sec. 102(e) Date Jun. 11, 1996 PCT Filed Nov. 15, 1995 PCT Pub. No. WO96/16306 PCT Pub. Date May 30, 1996 This invention concerns a grate plate arrangement for step grates wherein a plurality of grate plates (2) can be laid side-by-side on to a grate carrier (2) and can each be fixed to the grate carrier by means of a respective clamping device (11) which engages the grate plate and the grate carrier. In this arrangement, the clamping device (11) includes at least one clamping element (12) whose end (14), which is towards the grate plate, engages through an opening (15) in a front end wall (3) of the grate plate (2). The clamping device has clamping means (16) which are actuatable from the front end wall side. The other clamping element end, which is towards the grate carrier, is provided with anchoring means (13) for force-transmitting connection to the grate carrier. This arrangement makes it possible for the grate plates to be mounted or dismantled from the top side of the grate, so that the mounting operation can be performed in a more rational fashion and in a better manner from the point of view of maintenance, and industrial health and safety standards.

IPC 1-7  
**F27B 21/02**; **F27D 15/02**

IPC 8 full level  
**F27B 21/08** (2006.01); **F23H 11/12** (2006.01); **F27B 21/02** (2006.01); **F27D 15/02** (2006.01)

CPC (source: EP KR US)  
**F27B 21/02** (2013.01 - EP KR US); **F27D 15/022** (2013.01 - EP US)

Cited by  
DE102009009285A1; DE102004040048A1; DE102004045927A1; DE10133973A1; DE10133973B4; DE102009009285B4; DK178560B1; US7219610B2; WO03008863A1; US8397654B2

Designated contracting state (EPC)  
AT BE DE DK ES FR GB IT

DOCDB simple family (publication)  
**US 5862906 A 19990126**; AT E190393 T1 20000315; AU 3928895 A 19960617; AU 692324 B2 19980604; BR 9506616 A 19970916; CA 2180367 A1 19960530; CN 1099018 C 20030115; CN 1138895 A 19961225; CZ 204096 A3 19961113; CZ 292127 B6 20030813; DE 4441009 A1 19960523; DE 4441009 C2 20010329; DE 59507962 D1 20000413; DK 0740766 T3 20000731; EP 0740766 A1 19961106; EP 0740766 B1 20000308; ES 2144641 T3 20000616; HU 219944 B 20010928; HU 9601876 D0 19960930; HU T74654 A 19970128; JP 3109524 B2 20001120; JP H09511567 A 19971118; KR 100270795 B1 20001201; KR 970700853 A 19970212; MX 9602574 A 19981031; PL 179002 B1 20000731; PL 315621 A1 19961125; RU 2129693 C1 19990427; TR 199501452 A2 19960721; TW 324779 B 19980111; WO 9616306 A1 19960530

DOCDB simple family (application)  
**US 67611696 A 19960711**; AT 95937076 T 19951115; AU 3928895 A 19951115; BR 9506616 A 19951115; CA 2180367 A 19951115; CN 95191243 A 19951115; CZ 204096 A 19951115; DE 4441009 A 19941117; DE 59507962 T 19951115; DK 95937076 T 19951115; EP 9504495 W 19951115; EP 95937076 A 19951115; ES 95937076 T 19951115; HU 9601876 A 19951115; JP 51653796 A 19951115; KR 19960703816 A 19960715; MX 9602574 A 19960702; PL 31562195 A 19951115; RU 96115923 A 19951115; TR 9501452 A 19951117; TW 84111920 A 19951110