

Title (en)
Pivoted bridge drainer

Title (de)
Schwenkbarer Brückenablauf

Title (fr)
Dispositif de drainage pivotant pour ponts

Publication
EP 1359255 A2 20031105 (EN)

Application
EP 03466010 A 20030430

Priority
CZ 20021544 A 20020502

Abstract (en)
The drainer consists of four main parts: of a plate (9), a pot (10), a frame (22) with corner bevels, and of a grate (2). In the plate (9) which has a rectangular shape and is equipped with a drain opening (14) the rectangular pot (10) is located which has a circular hole (20) amidst to clamp a dirt pan (21). In the pot (10) a frame (22) is situated in which a grate (2) is embedded the shape of which equals that of said frame (22). The ribs (7) of said grate (2) are shortened in the middle part on both ends and on one shorter side of said grate (2) the rib (7) is equipped with a lock (27) which engages in the cavity (6) in said frame (22). On the second shortened side of said grate (2) the rib (7) is equipped with pivot hinges (23) in which circular profiles are made to insert the bar (24) durably by means of which said grate (2) is joined to the frame (22) on the basis of a pivot hinge (33). On the outer rims of the pot (10) there is a flange (15) with drain holes (16) and round the circular opening (14) of the plate (9) a shoulder (3) of the flange is shaped. <??>In horizontal direction the rotation of the permanently joined assembly of the grate (2) and the frame (22) is limited by the maximum extent of +/- 15 DEG and the transversal and/or longitudinal displacements of said assembly equal 60 mm at most. <??>The corner bevels of the frame (22) are formed so that they abut on the longer internal wall of the pot (10) with the assembly being regulated to maximum rotation limit of 15 DEG . <IMAGE>

IPC 1-7
E01D 19/08; **E03F 5/04**

IPC 8 full level
E01D 19/08 (2006.01); **E03F 5/04** (2006.01); **E03F 5/06** (2006.01)

CPC (source: EP)
E01D 19/086 (2013.01)

Cited by
CN105401643A; KR100558709B1; CN107700327A; DE102014119087B3; JP2019210667A; EP2093328A3; CN109629411A; CN113235419A

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