

Title (en)
Variably connected bridge drainer

Title (de)
Variabel verbundener Brückenablauf

Title (fr)
Dispositif de drainage pour ponts à connexion variable

Publication
EP 2093328 A3 20110518 (EN)

Application
EP 09002165 A 20090217

Priority
CZ 200890 A 20080219

Abstract (en)
[origin: EP2093328A2] The bottom part of the bridge drainer consists of the tray (3). The outlet of the tray (3) is joined to the bridge draining system and the top rim of said tray (3) is shaped to form the collar (3C). On this collar (3C) the waterproofing (11) is located on which the set of the frame (2) with the grating (1) is laid. The grating (1) is joined with the frame (2) by means of the hinge (5) which is located so that the axial junction is perpendicular to the traffic direction on the bridge. The frame (2) has a circular opening in itself on the circumference of which the limiting lugs (10) are made to limit the rotational rectification, said limiting lugs (10) having the shape of opposite located sectors, rotated by 45° against the vertical axis of said frame (2). The bottom part of said frame (2) is provided with the grooves (9) to drain off the surface of the waterproofing (11) of the bridge. If needed, the drainer system can be modified, during assembling, for diverse thicknesses of the bridge floor layer set by relevant combination of dimensional variants of the rectification rings (4), inserted between the waterproofing (11) and said frame (2). According to the requirement on the water outlet direction, the tray (3) with the vertical outlet (3A) or the tray (3) with the side outlet (3B) can be used.

IPC 8 full level
E01D 19/08 (2006.01)

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

Citation (search report)
• [I] DE 1943617 A1 19720406 - PASSAVANT WERKE
• [AD] EP 1359255 A2 20031105 - VLCEK RADEK [CZ], et al
• [A] CH 442399 A 19670831 - STREICHER FA M [DE]
• [I] DE 3902791 C1 19900613
• [A] DD 16592 A1 19590324 - LOEFFLER WALTER, et al
• [A] DE 9003409 U1 19900531

Cited by
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

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