

Title (en)
Floor drain

Title (de)
Ablaufvorrichtung für einen Boden

Title (fr)
Dispositif d'écoulement pour le sol

Publication
EP 1329562 B1 20121003 (DE)

Application
EP 02028955 A 20021224

Priority
DE 10201345 A 20020116

Abstract (en)
[origin: EP1329562A2] Water drains through a grating (12) into a tapering funnel (6) leading to a short vertical pipe (11b). This fits inside a sump (11a) with outlet apertures near the top. Water passes through an annular space (7) between the outside of the sump and the inside of the casing (8) of the floor drain unit (2). Lips or fins (9) on the outside of this casing fit into the vertical portion of a large L-bend (1) connected to a drain pipe (3) by a sealed spherical joint (4).

IPC 8 full level
E03F 5/04 (2006.01); **F16L 21/02** (2006.01)

CPC (source: EP)
E03F 5/0407 (2013.01); **E03F 2005/0413** (2013.01); **E03F 2005/0416** (2013.01)

Citation (examination)

- DE 1658207 B1 19700129 - VAHLBRAUK LOROWERK
- EP 1010827 A2 20000621 - BIRCO BAUSTOFFWERK GMBH [DE]

Cited by
EP1914356A1; CN100462510C; CN109654234A; EP2060686A3; DK178190B1; NL1032706C2; GB2429216A; GB2429216B; EP2333172A1; EP1561868A3; EP1674629A3; EP3945177A1; WO2011098055A1; WO2016102044A1; US7472719B2; US8146616B2; EP1561868A2; WO2020222222A1

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

DOCDB simple family (publication)
EP 1329562 A2 20030723; **EP 1329562 A3 20040128**; **EP 1329562 B1 20121003**; DE 10201345 A1 20030724; DE 10201345 B4 20160728; ES 2397057 T3 20130304

DOCDB simple family (application)
EP 02028955 A 20021224; DE 10201345 A 20020116; ES 02028955 T 20021224