

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

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