

Title (en)
OVERFLOW AND OUTLET DEVICE FOR SANITARY APPARATUS

Publication
EP 0446177 B1 19930224 (DE)

Application
EP 91810139 A 19910304

Priority
CH 71590 A 19900306

Abstract (en)
[origin: US5121509A] The overflow and drain fitting has a drain pipe (10), into which a closing plug (4), a float (3), as well as a mushroom-shaped plug (2) are inserted. The closing plug (4) can be lifted via bars (15), thus opening a partition (10b) between a riser channel (6b) and a return channel (6c) of a hidden riser pipe (6). With a sealing edge (2c) of a mushroom-shaped plug (2), the float (3) forms a check valve, which prevents water that may be contaminated from returning into the basin (5). The closing plug (4), the float (3), and the mushroom-shaped plug (2) are loosely connected to each other via grasping arms (4b, 3b) and can be lifted out of the drain pipe (10) together as one unit to clean the fittings.

IPC 1-7
E03C 1/232

IPC 8 full level
E03C 1/232 (2006.01)

CPC (source: EP US)
E03C 1/232 (2013.01 - EP US)

Cited by
EP1614816A1; DE202010015319U1; EP2045403A1; CN105919425A; DE10204683B4; EP2711475A1; EP1484453A1; DE202004015986U1; EP1657368A1; WO2013184078A1; WO2019145051A1; EP2453065A2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
US 5121509 A 19920616; AT E85998 T1 19930315; CA 2037236 A1 19910907; CA 2037236 C 20000704; DE 59100042 D1 19930401; DE 9102152 U1 19910516; DK 0446177 T3 19930405; EP 0446177 A1 19910911; EP 0446177 B1 19930224; ES 2038063 T3 19930701; GR 3007198 T3 19930730

DOCDB simple family (application)
US 66540591 A 19910305; AT 91810139 T 19910304; CA 2037236 A 19910227; DE 59100042 T 19910304; DE 9102152 U 19910223; DK 91810139 T 19910304; EP 91810139 A 19910304; ES 91810139 T 19910304; GR 930400443 T 19930302