

Title (en)
INSERT FOR WATER OUTLET

Title (de)
EINSATZ FÜR EINEN WASSERAUSLASS

Title (fr)
INSERT POUR SORTIE D'EAU

Publication
EP 2389254 A4 20130918 (EN)

Application
EP 09838943 A 20090123

Priority
NO 2009000028 W 20090123

Abstract (en)
[origin: WO2010085152A1] Insert to be used with different types of water outlets, such as shower heads, water taps, hoses for watering and so on. The insert has a mouthpiece (1) with a central axial channel (8) for through flow, and a rotationally symmetrical deflector element (6) for the water is situated in the vicinity of the outer mouth of the channel. The deflector element (6) is held in place by a stem (3) with radial clearance to the channel, and surrounded by a conical surface (7). The mouthpiece (1) delimits a cavity (9) around and axially outside the deflector element (6), and the conical surface (7) converges axially outwards. The end of the stem (3) opposite of the deflector element (6) is connected to a head (10), which head has at least one bore which supplies water to the channel (8). A regulator (11, 21, 23) to achieve a substantially constant flow of water independent of the supply water pressure, is integrated in the head (10). The regulator comprises substantially axial grooves (11) on the outside end of the head (10) and an O-ring (21) which is placed around the grooves (11) and is influenced by the water pressure, and successively is being pressed into the grooves with increasing water pressure.

IPC 8 full level
B05B 1/30 (2006.01); **G05D 7/01** (2006.01)

CPC (source: EP)
B05B 1/265 (2013.01); **E03C 1/08** (2013.01); **B05B 1/18** (2013.01); **E03C 2001/026** (2013.01); **Y02A 20/40** (2017.12)

Citation (search report)

- [A] NO 313409 B1 20020930 - NORWEC AS [NO]
- [A] US 6695011 B2 20040224 - SOCHTIG MICHAEL [DE]
- [A] US 3847178 A 19741112 - KEPPEL W
- [A] US 6571831 B1 20030603 - HART KEITH [GB]
- See references of WO 2010085152A1

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