

Title (en)
COMPONENT INCORPORATED IN A PLUMBING SYSTEM

Title (de)
SANITÄRES EINBAUTEIL

Title (fr)
PIECE INCORPOREE DANS UNE INSTALLATION SANITAIRE

Publication
EP 1551556 A1 20050713 (DE)

Application
EP 03755562 A 20030926

Priority
• DE 10246334 A 20021004
• EP 0310727 W 20030926

Abstract (en)
[origin: WO2004033108A1] The invention concerns a component (1) incorporated in a plumbing system, said component being equipped with a jet regulating device (4) inside a mounting case (6). Said jet regulating device (4) comprises at least one directly mounted element (5) housed in the mounting case (6), said element being provided with ridges (11) transverse to the flow direction and defining between them passageways (12). The invention is characterized in that the ridges (11) of at least one directly mounted element (5) are arranged in the form of a grid or network and intersect at junction points. The inventive incorporated component, which can be manufactured inexpensively, exhibits the best possible jet regulating characteristics, even if the transverse surface is relatively small. Moreover, said incorporated component (1) requires little maintenance, without any risk of malfunction resulting from dirt carried by the liquid flow.

IPC 1-7
B05B 1/18; **E03C 1/04**

IPC 8 full level
E03C 1/084 (2006.01); **B05B 1/18** (2006.01); **B05B 15/40** (2018.01); **E03C 1/08** (2006.01)

CPC (source: EP KR US)
B05B 1/18 (2013.01 - EP KR US); **B05B 15/40** (2018.01 - EP US); **E03C 1/04** (2013.01 - KR); **E03C 1/084** (2013.01 - EP US)

Citation (search report)
See references of WO 2004033108A1

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

DOCDB simple family (publication)
WO 2004033108 A1 20040422; **WO 2004033108 B1 20040610**; AT E510969 T1 20110615; AU 2003273407 A1 20040504; BR 0312766 A 20050503; BR 0312766 B1 20120710; CN 1323763 C 20070704; CN 1678404 A 20051005; CN 1982549 A 20070620; CN 1982549 B 20110323; DE 10246334 A1 20040422; DE 10246334 B4 20150507; DK 1551556 T3 20110912; DK 1785193 T3 20180129; EP 1551556 A1 20050713; EP 1551556 B1 20110525; EP 1785193 A1 20070516; EP 1785193 B1 20171206; EP 2992962 A1 20160309; EP 2992962 B1 20190828; EP 3323949 A2 20180523; EP 3323949 A3 20181121; EP 3323949 B1 20200729; ES 2366636 T3 20111024; ES 2658857 T3 20180312; ES 2746047 T3 20200304; ES 2817086 T3 20210406; HU E038199 T2 20180928; JP 2006501990 A 20060119; JP 4324555 B2 20090902; KR 100978165 B1 20100825; KR 20050050637 A 20050531; PT 1551556 E 20110826; PT 1785193 T 20180222; SI 1551556 T1 20110930; SI 1785193 T1 20180330; US 2005247805 A1 20051110; US 7731107 B2 20100608

DOCDB simple family (application)
EP 0310727 W 20030926; AT 03755562 T 20030926; AU 2003273407 A 20030926; BR 0312766 A 20030926; CN 03819912 A 20030926; CN 200610168578 A 20030926; DE 10246334 A 20021004; DK 03755562 T 20030926; DK 06024864 T 20030926; EP 03755562 A 20030926; EP 06024864 A 20030926; EP 15002705 A 20030926; EP 17001659 A 20030926; ES 03755562 T 20030926; ES 06024864 T 20030926; ES 15002705 T 20030926; ES 17001659 T 20030926; HU E06024864 A 20030926; JP 2004542374 A 20030926; KR 20057001375 A 20030926; PT 03755562 T 20030926; PT 06024864 T 20030926; SI 200332031 T 20030926; SI 200332558 T 20030926; US 51957204 A 20041228