

Title (en)
SHOWER HEAD

Title (de)
DUSCHKOPF

Title (fr)
POMME DE DOUCHE

Publication
EP 2907431 A4 20151104 (EN)

Application
EP 13846077 A 20131008

Priority
• JP 2012226104 A 20121011
• JP 2012226103 A 20121011
• JP 2012270367 A 20121211
• JP 2013006001 W 20131008

Abstract (en)
[origin: EP2907431A1] In a shower head including a head main body provided with a gas-liquid mixing portion, a spray plate having a plurality of spray apertures, and a discharge path formed between the head main body and the spray plate, an introducing path has an enlarged path at a side of an exit of the introducing path and a discharge path is disposed perpendicular to a side of an exit of the introducing path and an entrance of the discharge path has a cross-sectional area at which a volume of the warm or cold water flowing into the discharge path per unit time is equal to or less than a volume of the warm or cold water passing a portion except the enlarged path of the introducing path per unit time.

IPC 8 full level
A47K 3/28 (2006.01); **B05B 1/02** (2006.01); **B05B 1/18** (2006.01); **B05B 1/34** (2006.01); **B05B 7/04** (2006.01); **E03C 1/084** (2006.01)

CPC (source: EP)
B05B 1/185 (2013.01); **B05B 1/341** (2013.01); **B05B 7/0425** (2013.01); **E03C 1/084** (2013.01)

Citation (search report)
• [XY] EP 2260945 A1 20101215 - BOSSINI S P A [IT]
• [Y] CN 202087441 U 20111228 - SHENZHEN GLOBE UNION IND CORP
• [Y] US 2012067979 A1 20120322 - KIM HYUN WOO [KR]
• [A] JP 2010284619 A 20101224 - FUKUSHIMA KAGAKU KK
• [A] JP 2007209509 A 20070823 - MATSUSHITA ELECTRIC IND CO LTD
• See references of WO 2014057660A1

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US11517921B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 2907431 A1 20150819; EP 2907431 A4 20151104; EP 2907431 B1 20180627; CN 104703520 A 20150610; CN 104703520 B 20170531;
WO 2014057660 A1 20140417

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