

Title (en)
SHOWER HEAD WITH ROTATABLE CONTROL DISK

Title (de)
BRAUSEKOPF MIT DREHBEWEGLICHER STEUERSCHEIBE

Title (fr)
POMME DE DOUCHE À DISQUE DE COMMANDE ROTATIF

Publication
EP 2988876 A1 20160302 (DE)

Application
EP 14720540 A 20140422

Priority
• DE 102013207679 A 20130426
• EP 2014058086 W 20140422

Abstract (en)
[origin: WO2014173871A1] The invention relates to a shower head which has a jet disk (4), with inlet openings (8) on one disk side and outlet openings (9) on the other disk side (4b) and with in each case one passage duct (10a, 10b) for fluidically connecting each outlet opening to at least one inlet opening, and a control disk (2) which is arranged upstream of the jet disk as viewed in the fluid flow direction and is rotatable relative to said jet disk and has a control slot pattern (131, 134) for opening up the inlet openings in a manner dependent on the rotational position of the control disk. According to the invention, the control slot pattern and the inlet openings are coordinated with one another such that, when the control disk is rotating relative to the jet disk, two adjacent inlet openings (8a, 8b) that correspond with a common outlet opening (9) via two passage ducts (10a, 10b) with non-parallel side walls (12a, 12b) for providing two different jet outlet directions (Sa, Sb), or two regions of an inlet opening that corresponds with an outlet opening via a passage duct with non-parallel side wall regions for providing two different jet outlet directions, or two adjacent inlet openings that correspond with two adjacent outlet openings, are opened up in alternating fashion. The invention also relates to the use thereof, for example, for sanitary showers.

IPC 8 full level
B05B 1/18 (2006.01); **B05B 1/26** (2006.01); **E03C 1/04** (2006.01)

CPC (source: EP RU US)
B05B 1/083 (2013.01 - US); **B05B 1/1636** (2013.01 - US); **B05B 1/185** (2013.01 - EP US); **B05B 1/267** (2013.01 - EP US);
B05B 1/30 (2013.01 - EP US); **B05B 3/04** (2013.01 - EP US); **E03C 1/0409** (2013.01 - EP US); **B05B 1/18** (2013.01 - RU);
B05B 1/185 (2013.01 - RU)

Citation (search report)
See references of WO 2014173871A1

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

DOCDB simple family (publication)
DE 102013207679 B3 20141016; AU 2014257635 A1 20151112; AU 2014257635 B2 20170406; BR 112015027057 A2 20170725;
BR 112015027057 B1 20210518; CN 105592932 A 20160518; CN 105592932 B 20171201; DK 2988876 T3 20190611;
EP 2988876 A1 20160302; EP 2988876 B1 20190306; ES 2726826 T3 20191009; JP 2016523579 A 20160812; JP 6235699 B2 20171122;
KR 101842575 B1 20180328; KR 20160003114 A 20160108; MX 2015014895 A 20160803; MX 367368 B 20190816; PL 2988876 T3 20190830;
RU 2015147873 A 20170531; RU 2629083 C2 20170824; TW 201501680 A 20150116; TW I610646 B 20180111; US 2016107175 A1 20160421;
US 9656281 B2 20170523; WO 2014173871 A1 20141030

DOCDB simple family (application)
DE 102013207679 A 20130426; AU 2014257635 A 20140422; BR 112015027057 A 20140422; CN 201480036655 A 20140422;
DK 14720540 T 20140422; EP 14720540 A 20140422; EP 2014058086 W 20140422; ES 14720540 T 20140422; JP 2016509426 A 20140422;
KR 20157033640 A 20140422; MX 2015014895 A 20140422; PL 14720540 T 20140422; RU 2015147873 A 20140422;
TW 103115084 A 20140425; US 201414786664 A 20140422