

Title (en)
JET REGULATOR

Title (de)
STRAHLREGLER

Title (fr)
RÉGULATEUR DE JET

Publication
EP 3265619 A1 20180110 (DE)

Application
EP 16704801 A 20160217

Priority
• DE 202015001686 U 20150305
• DE 202015007873 U 20151114
• EP 2016000268 W 20160217

Abstract (en)
[origin: WO2016138981A1] The invention relates to a jet regulator (2) which has a jet regulator housing with at least two housing parts (5, 6) which can be rotated relative to each other. An inflow-side first housing part (5) of the two housing parts can be mounted on the water outlet of a sanitary outlet fitting in a rotationally fixed manner, and an outflow-side second housing part (6) of the two housing parts is designed as a handle at least on the outer circumference or is connected to a handle. The first housing part (5) is designed as a jet divider (7) with multiple divider openings (8), and mutually spaced jet channels (9) are provided on the housing inner circumference of the second housing part (6). Individual jets coming from the divider openings (8) are guided through the jet channels (9) and shaped into an annularly circumferential outlet jet pattern in a first rotational position of the housing parts (5, 6) and deflected in the housing interior of the jet regulator (2) to a central outlet opening (10) of the jet regulator housing in a second rotational position. The jet regulator is characterized in that a rotational latch with at least one latching mechanism (13) is provided, wherein the latching mechanism (13) is molded on a channel wall facing the housing interior of the jet regulator housing, and the latching mechanism (13) interacts with a profiled latching section, and in that a grid or net structure which extends over the central outlet opening (10) is integrally molded on the second housing part (6) on the outflow side.

IPC 8 full level
E03C 1/084 (2006.01); **B05B 1/16** (2006.01); **B05B 7/04** (2006.01)

CPC (source: CN EP US)
B05B 1/1654 (2013.01 - EP US); **B05B 7/04** (2013.01 - EP US); **B05B 7/0425** (2013.01 - US); **E03C 1/08** (2013.01 - CN); **E03C 1/084** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2016138981A1

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 202015001686 U1 20160607; CN 105937255 A 20160914; CN 105937255 B 20200327; CN 107407081 A 20171128; CN 107407081 B 20191101; CN 205712344 U 20161123; DE 102015014792 A1 20160908; DE 102015014792 B4 20221222; EP 3265619 A1 20180110; EP 3265619 B1 20200715; EP 3690154 A1 20200805; EP 3690154 B1 20210331; ES 2819899 T3 20210419; ES 2878193 T3 20211118; PL 3690154 T3 20211025; US 10640957 B2 20200505; US 2018038085 A1 20180208; WO 2016138981 A1 20160909

DOCDB simple family (application)
DE 202015001686 U 20150305; CN 201610086222 A 20160216; CN 201620121617 U 20160216; CN 201680012826 A 20160217; DE 102015014792 A 20151114; EP 16704801 A 20160217; EP 20159876 A 20160217; EP 2016000268 W 20160217; ES 16704801 T 20160217; ES 20159876 T 20160217; PL 20159876 T 20160217; US 201615548936 A 20160217