

Title (en)
FLUIDIC COMPONENT

Title (de)
FLUIDISCHES BAUTEIL

Title (fr)
ÉLÉMENT FLUIDIQUE

Publication
EP 3317546 A1 20180509 (DE)

Application
EP 16798135 A 20161116

Priority
• DE 102015222771 A 20151118
• DE 202016104170 U 20160729
• EP 2016077864 W 20161116

Abstract (en)
[origin: CA3033710A1] The invention relates to a fluidic component (1) comprising a flow chamber (10) through which a fluid flow (2) can flow, said fluid flow entering the flow chamber (10) through an inlet opening (101) of the flow chamber (10) and exiting the flow chamber (10) through an outlet opening (102) of the flow chamber (10), and which flow chamber has at least one means for changing the direction of the fluid flow (2) at the outlet opening (102) in a controlled manner, in particular in order to form a spatial oscillation of the fluid flow (2) at the outlet opening (102). The flow chamber (10) has a main flow channel (103), which interconnects the inlet opening (101) and the outlet opening (102), and at least one auxiliary flow channel (104a, 104b) as means for changing the direction of the fluid flow (2) at the outlet opening (102) in a controlled manner. The fluidic component is characterized in that the inlet opening (101) has a larger cross-sectional area than the outlet opening (102), or the inlet opening (101) and the outlet opening (102) have cross-sectional areas that are equal in size.

IPC 8 full level
F15C 1/22 (2006.01); **B05B 1/08** (2006.01)

CPC (source: CN EP US)
B05B 1/02 (2013.01 - CN); **B05B 1/08** (2013.01 - EP US); **B05B 1/34** (2013.01 - CN); **B05B 7/04** (2013.01 - CN); **B08B 3/02** (2013.01 - CN); **F02M 61/18** (2013.01 - CN); **F02M 61/1806** (2013.01 - EP US); **F02M 61/1846** (2013.01 - CN); **F15B 21/12** (2013.01 - EP US); **B05B 1/10** (2013.01 - US)

Citation (search report)
See references of WO 2017085129A1

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 202016104170 U1 20170222; CA 3033710 A1 20170526; CN 108431430 A 20180821; CN 108431430 B 20230314; CN 115445804 A 20221209; DE 102015222771 B3 20170518; DK 3317546 T3 20201207; EP 3317546 A1 20180509; EP 3317546 B1 20200909; ES 2827310 T3 20210520; PL 3317546 T3 20210308; US 11471898 B2 20221018; US 2018318848 A1 20181108; US 2020238304 A1 20200730; US 2022055044 A1 20220224; WO 2017085129 A1 20170526

DOCDB simple family (application)
DE 202016104170 U 20160729; CA 3033710 A 20161116; CN 201680067815 A 20161116; CN 202211167430 A 20161116; DE 102015222771 A 20151118; DK 16798135 T 20161116; EP 16798135 A 20161116; EP 2016077864 W 20161116; ES 16798135 T 20161116; PL 16798135 T 20161116; US 201615773344 A 20161116; US 202016832861 A 20200327; US 202117511708 A 20211027