

Title (en)  
FLUIDIC COMPONENT

Title (de)  
FLUIDISCHES BAUTEIL

Title (fr)  
ÉLÉMENT FLUIDIQUE

Publication  
**EP 3523543 A1 20190814 (DE)**

Application  
**EP 17787354 A 20171005**

Priority  
• DE 102016219427 A 20161006  
• EP 2017075383 W 20171005

Abstract (en)  
[origin: WO2018065533A1] The invention relates to a fluidic component (1) for producing a free jet (15), wherein: the component (1) has a flow chamber (10) through which a fluid stream (2) can flow, said fluid stream enters the flow chamber (10) through an inlet opening (101) and exits the flow chamber (10) through an outlet opening (102), the flow direction of said fluid stream runs substantially parallel to the main extension direction of the flow chamber (10), and a main flow channel (103) and secondary flow channels (104) are located inside the flow chamber (10), characterised in that the cross-sectional profile of the main flow channel (103), in the main extension direction of the flow chamber (10), is divergent over the entire length of the main flow channel (103) or is divergent in some sections and convergent in some sections. Additionally or alternatively, a component (1) is also claimed with an exit region (108) which is free of obstructions downstream of the outlet opening (102).

IPC 8 full level  
**F15B 21/12** (2006.01); **B05B 1/08** (2006.01)

CPC (source: EP US)  
**B05B 1/042** (2013.01 - US); **B05B 1/08** (2013.01 - EP US); **F15B 21/12** (2013.01 - EP); **F15C 1/22** (2013.01 - EP); **B05B 3/16** (2013.01 - US); **B60S 1/52** (2013.01 - US); **F15B 21/12** (2013.01 - US); **F15C 1/22** (2013.01 - US)

Citation (search report)  
See references of WO 2018065533A1

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)  
**WO 2018065533 A1 20180412**; CN 109863315 A 20190607; DE 102016219427 A1 20180412; EP 3523543 A1 20190814; US 2020038884 A1 20200206

DOCDB simple family (application)  
**EP 2017075383 W 20171005**; CN 201780062238 A 20171005; DE 102016219427 A 20161006; EP 17787354 A 20171005; US 201716339039 A 20171005