

Title (en)

MULTI-INLET, MULTI-SPRAY FLUIDIC CUP NOZZLE WITH SHARED INTERACTION REGION AND SPRAY GENERATION METHOD

Title (de)

FLUIDISCHE, BECHERFÖRMIGE DÜSE MIT MEHREREN EINGÄNGEN UND MEHREREN SPRÜHFUNKTIONEN MIT GEMEINSAM GENUTZTER INTERAKTIONSREGION UND SPRÜHERZEUGUNGSVERFAHREN

Title (fr)

BUSE DE COUPELLE FLUIDIQUE À PLUSIEURS ENTRÉES ET À PLUSIEURS JETS PULVÉRISÉS COMPRENANT UNE ZONE D'INTERACTION COMMUNE ET PROCÉDÉ DE PRODUCTION DE JETS PULVÉRISÉS

Publication

**EP 3194079 A4 20180418 (EN)**

Application

**EP 15832401 A 20150814**

Priority

- US 201462037913 P 20140815
- US 2015045316 W 20150814

Abstract (en)

[origin: WO2016025858A1] A conformal, cup-shaped fluidic oscillator spray nozzle member (100, 200, 300, 400, 500) is configured to generate one or more oscillating sprays from fluid flowing into a substantially open proximal end and distally into a substantially closed distal end wall with one or more centrally located orifices defined therein. A multi-input, multi-output cup-shaped fluidic oscillator ( 200, 300, 400) is configured to generate a selected fluid spray from a plurality of (e.g., 2-8) fluid product inlets which are configured in interacting pairs and feed into a common interaction region of the fluidic nozzle geometry. Optionally, an outlet "A" can be positioned in the interaction region and allow for air entrainment into the interaction region or external oscillating spray streams to generate a foamed spray of fluid product.

IPC 8 full level

**B05B 1/08** (2006.01); **B05B 1/14** (2006.01); **B05B 1/34** (2006.01)

CPC (source: EP)

**B05B 1/08** (2013.01); **B05B 1/14** (2013.01); **B05B 1/3436** (2013.01)

Citation (search report)

- [XYI] FR 2802446 A1 20010622 - OREAL [FR]
- [XYI] US 6199766 B1 20010313 - FOX RODNEY THOMAS [GB], et al
- [Y] US 7354008 B2 20080408 - HESTER RUSSELL D [US], et al
- [A] US 5992765 A 19991130 - SMITH JEREMY P [US]
- See references of WO 2016025858A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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