

Title (en)
Fluid microjet system

Title (de)
Flüssigkeits-Mikrostrahlsystem

Title (fr)
Système de microjet de fluides

Publication
EP 2085489 A1 20090805 (EN)

Application
EP 08001981 A 20080202

Priority
EP 08001981 A 20080202

Abstract (en)
A device for generating fluid micro streams comprises a body portion with a fluid supply cavity therein and a plurality of fluid micro channels interconnecting the fluid supply cavity with an external outlet face of the body portion, the body portion being formed from a plurality of stacked plates, said micro channels being formed at interfaces of at least certain of said stacked plates. The micro channels have an oblong cross-sectional profile over a certain section leading to the outlet face, with a major width that is greater than two times a minor width thereof, where the minor width is less than 200 µm.

IPC 8 full level
C21D 1/667 (2006.01); **A23L 3/375** (2006.01); **B21B 45/02** (2006.01); **F25D 3/11** (2006.01)

CPC (source: EP US)
C21D 1/667 (2013.01 - EP US); **F25D 3/11** (2013.01 - EP US); **F28F 13/06** (2013.01 - EP US); **B21B 45/0233** (2013.01 - EP US); **F28F 2260/00** (2013.01 - EP US)

Citation (applicant)
US 5902543 A 19990511 - PLATA MIROSLAW [CH], et al

Citation (search report)
• [DY] US 5902543 A 19990511 - PLATA MIROSLAW [CH], et al
• [Y] US 4565325 A 19860121 - LUDWIG BERNHARD [DE]
• [X] US 2006186229 A1 20060824 - COTLER ELLIOT M [US]
• [A] US 2002134866 A1 20020926 - SCHMIT LAURENT [FR], et al
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• [A] US 4750331 A 19880614 - BARTHELMES PATRICE [FR], et al
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CN108319745A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2085489 A1 20090805; EP 2247762 A1 20101110; US 2011005737 A1 20110113; WO 2009095896 A1 20090806

DOCDB simple family (application)
EP 08001981 A 20080202; EP 09706761 A 20090202; IB 2009050406 W 20090202; US 73559209 A 20090202