

Title (en)
SWIRLING FLOW PRODUCING APPARATUS, METHOD OF PRODUCING SWIRLING FLOW, VAPOR PHASE GENERATING APPARATUS, MICROBUBBLE GENERATING APPARATUS, FLUID MIXER AND FLUID INJECTION NOZZLE

Title (de)
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES WIRBELSTROMS, DAMPFPHASENERZEUGUNGSGERÄT, MIKROBLÄSCHENERZEUGUNGSGERÄT, FLÜSSIGKEITSMISCHER UND FLÜSSIGKEITSINJEKTIONSDÜSE

Title (fr)
APPAREIL DE PRODUCTION D'UN ÉCOULEMENT TOURBILLONNAIRE, PROCÉDÉ DE PRODUCTION D'UN ÉCOULEMENT TOURBILLONNAIRE, APPAREIL DE GÉNÉRATION DE PHASE VAPEUR, APPAREIL DE GÉNÉRATION DE MICROBULLES, MÉLANGEUR DE FLUIDES ET BUSE D'INJECTION DE FLUIDES

Publication
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Application
EP 07828700 A 20070928

Priority

- JP 2007068959 W 20070928
- JP 2006264652 A 20060928

Abstract (en)
[origin: EP2067524A1] There are provided a fluid injection nozzle, a fluid mixer, a microbubble generating apparatus, a vapor phase generating apparatus, a method of producing swirling flow, and a swirling flow producing apparatus that can be applied to any kind of fluid and can efficiently generate a swirling flow at high speed. The swirling flow producing apparatus includes a housing and a cylindrical member. The housing includes a cylindrical portion of which at least one end is opened, and a fluid introducing passage that is opened on an inner peripheral surface of the cylindrical portion. The cylindrical member is provided in the cylindrical portion of the housing. The cylindrical member includes a cylindrical portion of which at least one end in a direction corresponding to an opening direction of the cylindrical portion is opened, and holes formed in a peripheral wall of the cylindrical portion. A fluid introduced from the fluid introducing passage flows into the cylindrical portion of the cylindrical member through the holes so as to generate a swirling flow, and flows out from the housing and the cylindrical member.

IPC 8 full level
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Citation (search report)

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- [X] US 6103123 A 20000815 - GANTZER CHARLES J [US]
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- See references of WO 2008038763A1

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KR20170127054A; KR101875494B1; EP2554251A4; EP3492162A4; US11148105B2; WO2019185646A3

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