

Title (en)

METHOD AND NOZZLE FOR PROVIDING A FLOW WITH SEPARATED GAS AND LIQUID PORTIONS SUBJECTED TO AN ACOUSTIC FIELD

Title (de)

VERFAHREN UND DÜSE ZUR ERZEUGUNG EINER STRÖMUNG MIT GETRENNTEN GAS- UND FLÜSSIGKEITSTEILEN DIE EINEM AKUSTISCHEN FELD UNTERWORFEN SIND

Title (fr)

PROCEDE ET BUSE DESTINES A LA PRODUCTION D'UN ECOULEMENT A PARTIES GAZEUSES ET LIQUIDES SEPREES SOUMIS A UN CHAMP ACOUSTIQUE

Publication

EP 0749360 A1 19961227 (EN)

Application

EP 95908201 A 19950110

Priority

- DK 9500015 W 19950110
- RU 94008979 A 19940310

Abstract (en)

[origin: WO9524274A1] A method of providing a gas/liquid jet having finely atomised liquid droplets comprising the steps of feeding a mixture of gas and liquid into a tube (5) provided with at least one outlet nozzle (6) having an outlet opening. A plug flow (i.e. a flow in which liquid portions and gas portions are separate from each other) is formed in the tube (5) before the flow leaves the nozzle (6). The outflowing plug flow is subjected to an acoustic field, the frequency of the plug flow thereof essentially being a multiple of the frequency of the plug flow and preferably close to the frequency thereof.

IPC 1-7

B05B 17/06; B05B 1/08; B05B 1/26

IPC 8 full level

A62C 31/02 (2006.01); **A62C 99/00** (2010.01); **B05B 1/00** (2006.01); **B05B 7/26** (2006.01); **B05B 17/06** (2006.01)

CPC (source: EP)

A62C 31/02 (2013.01); **A62C 99/0072** (2013.01); **B05B 7/262** (2013.01); **B05B 17/0692** (2013.01)

Citation (search report)

See references of WO 9524274A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9524274 A1 19950914; AU 1661895 A 19950925; BR 9507019 A 19970909; CA 2185143 A1 19950914; CN 1147214 A 19970409; EP 0749360 A1 19961227; FI 963536 A0 19960909; FI 963536 A 19960909; JP H09509882 A 19971007; RU 2074544 C1 19970227; RU 94008979 A 19970227

DOCDB simple family (application)

DK 9500015 W 19950110; AU 1661895 A 19950110; BR 9507019 A 19950110; CA 2185143 A 19950110; CN 95192864 A 19950110; EP 95908201 A 19950110; FI 963536 A 19960909; JP 52316295 A 19950110; RU 94008979 A 19940310