

Title (en)

METHOD AND DEVICE FOR BLENDING SMALL QUANTITIES OF LIQUID IN MICROCAVITIES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DURCHMISCHUNG KLEINER FLÜSSIGKEITSMENGEN IN MIKROKAVITÄTEN

Title (fr)

PROCEDE ET DISPOSITIF POUR MELANGER DE PETITES QUANTITES DE LIQUIDE DANS DES MICROCAVITES

Publication

**EP 1596974 A1 20051123 (DE)**

Application

**EP 04713531 A 20040223**

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Abstract (en)

[origin: WO2004076046A1] The invention relates to a method for blending liquids in at least one microcavity by using a sound-induced current. According to said method, at least one ultrasonic wave (2) having a frequency that is greater than or equal to 10 MHz is sent into the at least one microcavity (3) via a layer of solid matter (15) having a dimension in the direction of sound propagation, which exceeds 25 percent of the wavelength of the ultrasonic wave, with the aid of at least one piezoelectric sound transducer (1) in order to create a sound-induced current. Also disclosed is a device for carrying out the inventive method.

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CPC (source: EP US)

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Citation (search report)

See references of WO 2004076046A1

Cited by

US8038337B2; EP1990640A4; US9891147B2; US8454908B2; US9116087B2; US10175153B2; US10775282B2

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