

Title (en)

DEVICE FOR DISPENSING MICROFLUIDIC DROPLETS, PARTICULARLY FOR CYTOMETRY

Title (de)

VORRICHTUNG ZUR ABGABE MIKROFLUIDISCHER TRÖPFCHEN, INSBESONDERE FÜR DIE ZYTOMETRIE

Title (fr)

DISPOSITIF DE DISPENSE DE GOUTTELETTES MICROFLUIDIQUES NOTAMMENT POUR LA CYTOMETRIE

Publication

EP 1709189 A1 20061011 (FR)

Application

EP 05717670 A 20050117

Priority

- FR 2005050025 W 20050117
- FR 0400433 A 20040119

Abstract (en)

[origin: US2008286751A1] The invention relates to a dispensing device for droplets comprising a first channel (8, 10), known as main channel, for circulation of a first fluid flow, a second channel (12, 13) for circulation of fluid, which forms with the first channel an intersection zone (27) and terminates in an ejection orifice (20), means (4) for measuring a physical property particles or cells in the first channel (18), and means for engendering a pressure wave in the second channel (12, 13).

IPC 8 full level

C12Q 1/02 (2006.01); **B01J 19/00** (2006.01); **B01L 3/00** (2006.01); **B01L 3/02** (2006.01); **G01N 15/14** (2006.01)

CPC (source: EP US)

B01L 3/0268 (2013.01 - EP US); **B01L 3/502761** (2013.01 - EP US); **B01L 2200/0647** (2013.01 - EP US); **B01L 2300/0645** (2013.01 - EP US); **B01L 2300/0816** (2013.01 - EP US); **B01L 2300/0887** (2013.01 - EP US); **B01L 2400/0436** (2013.01 - EP US); **B01L 2400/0439** (2013.01 - EP US); **B01L 2400/0442** (2013.01 - EP US); **B01L 2400/0487** (2013.01 - EP US); **G01N 15/12** (2013.01 - EP US); **G01N 2035/1034** (2013.01 - EP US)

Citation (search report)

See references of WO 2005071097A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2008286751 A1 20081120; CA 2553621 A1 20050804; EP 1709189 A1 20061011; FR 2865145 A1 20050722; FR 2865145 B1 20060224; IL 176937 A0 20061210; JP 2007526762 A 20070920; WO 2005071097 A1 20050804

DOCDB simple family (application)

US 58683105 A 20050117; CA 2553621 A 20050117; EP 05717670 A 20050117; FR 0400433 A 20040119; FR 2005050025 W 20050117; IL 17693706 A 20060718; JP 2006550251 A 20050117