

Title (en)
MICROFLUIDIC SYSTEM AND CORRESPONDING OPERATING METHOD

Title (de)
MIKROFLUIDISCHES SYSTEM UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)
SYSTÈME MICROFLUIDIQUE ET PROCÉDÉ D'EXPLOITATION

Publication
EP 1973660 A1 20081001 (DE)

Application
EP 07702840 A 20070117

Priority
• EP 2007000389 W 20070117
• DE 202006010646 U 20060118
• DE 102006033889 A 20060721

Abstract (en)
[origin: WO2007082737A1] The invention relates to an operating method for a microfluidic system, comprising the following steps: feeding a carrier flow with particles (5) of a first particle type suspended therein to the microfluidic system; charging a plurality of electric field cages (1', 1'') in the microfluidic system with the fed particles (5) of the first particle type; feeding a carrier flow with particles (6) of a second particle type suspended therein to the microfluidic system; charging the field cages (1', 1'') in the microfluidic system with the fed particles (6) of the second particle type in such a manner that a particle (5) of the first particle type and a particle (6) of the second particle type are present in at least one of the field cages (1', 1''). The invention also relates to a corresponding microfluidic system.

IPC 8 full level
B01L 3/00 (2006.01); **C12N 13/00** (2006.01)

CPC (source: EP US)
B01L 3/502761 (2013.01 - EP US); **C12N 13/00** (2013.01 - EP US); **B01L 2200/0668** (2013.01 - EP US); **B01L 2300/0645** (2013.01 - EP US); **B01L 2400/0421** (2013.01 - EP US)

Citation (search report)
See references of WO 2007082737A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007082737 A1 20070726; DE 102006033889 A1 20070920; EP 1973660 A1 20081001; US 2011083961 A1 20110414; US 8128797 B2 20120306

DOCDB simple family (application)
EP 2007000389 W 20070117; DE 102006033889 A 20060721; EP 07702840 A 20070117; US 16126707 A 20070117