

Title (en)  
PROGRAMMABLE MICROFLUIDIC DIGITAL ARRAY

Title (de)  
PROGRAMMIERBARER DIGITALER MIKROFLUIDISCHER ARRAY

Title (fr)  
RÉSEAU NUMÉRIQUE MICROFLUIDIQUE PROGRAMMABLE

Publication  
**EP 2376227 A4 20120718 (EN)**

Application  
**EP 09836688 A 20091207**

Priority

- US 2009067037 W 20091207
- US 12080408 P 20081208
- US 15784509 P 20090305
- US 16066209 P 20090316
- US 16611309 P 20090402

Abstract (en)  
[origin: WO2010077618A1] A microfluidic device includes a pressure source and a control line in fluid communication with the pressure source. The microfluidic device also includes a plurality of valves operated via the control line and an independent valve positioned adjacent the control line and between the pressure source and the plurality of valves.

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

CPC (source: CN EP)  
**B01L 3/502784** (2013.01 - CN EP); **B01L 7/525** (2013.01 - CN EP); **B01J 2219/00286** (2013.01 - CN EP); **B01J 2219/00317** (2013.01 - CN EP); **B01J 2219/00398** (2013.01 - CN EP); **B01J 2219/00418** (2013.01 - CN EP); **B01L 2200/027** (2013.01 - CN EP); **B01L 2300/0816** (2013.01 - CN EP); **B01L 2300/089** (2013.01 - CN EP); **B01L 2300/1805** (2013.01 - CN EP); **B01L 2400/0427** (2013.01 - CN EP)

Citation (search report)

- [X] WO 2007109375 A2 20070927 - UNIV CALIFORNIA [US], et al
- [I] US 2007166199 A1 20070719 - ZHOU PENG [US], et al
- See references of WO 2010077618A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010077618 A1 20100708**; CN 102281950 A 20111214; CN 102281950 B 20150506; CN 104741159 A 20150701; CN 104741159 B 20170118; CN 105964316 A 20160928; EP 2376227 A1 20111019; EP 2376227 A4 20120718; SG 10201404682W A 20141030; SG 10201404683T A 20141030; SG 10201404685P A 20141030; SG 172015 A1 20110728

DOCDB simple family (application)  
**US 2009067037 W 20091207**; CN 200980154761 A 20091207; CN 201510158081 A 20091207; CN 201610459013 A 20091207; EP 09836688 A 20091207; SG 10201404682W A 20091207; SG 10201404683T A 20091207; SG 10201404685P A 20091207; SG 2011041597 A 20091207