

Title (en)  
IMPLEMENTATION OF MICROFLUIDIC COMPONENTS, INCLUDING MOLECULAR FRACTIONATION DEVICES, IN A MICROFLUIDIC SYSTEM

Title (de)  
AUSFÜHRUNG MIKROFLUIDISCHER KOMPONENTEN, EINSCHLIESSLICH VORRICHTUNGEN ZUR MOLEKULAREN FRAKTIONIERUNG, IN EINEM MIKROFLUIDISCHEN SYSTEM

Title (fr)  
MISE EN PLACE DE COMPOSANTS MICROFLUIDIQUES, Y COMPRIS DE DISPOSITIFS DE FRACTIONNEMENT MOLECULAIRE, DANS UN SYSTEME MICROFLUIDIQUE

Publication  
**EP 1616189 A4 20071017 (EN)**

Application  
**EP 04749668 A 20040331**

Priority  
• US 2004010163 W 20040331  
• US 45902803 P 20030331  
• US 50173403 P 20030909

Abstract (en)  
[origin: WO2004087281A2] A system and method for integrating microfluidic components in a microfluidic system enables the microfluidic system to perform a selected microfluidic function. A capping module includes a microfluidic element for performing a microfluidic function. The capping module is stacked on a microfluidic substrate having microfluidic plumbing to incorporate the microfluidic function into the system. The microfluidic element may comprise a matrix having an affinity for selected molecules in a sample. The matrix binds, reacts with and/or retains the selected molecules without affecting other molecules in the sample.

IPC 8 full level  
**B01D 63/00** (2006.01); **B01L 3/00** (2006.01); **B01L 11/00** (2006.01); **B01L 99/00** (2010.01); **C12Q 1/00** (2006.01); **C23F 1/00** (2006.01); **G01N 33/566** (2006.01)

IPC 8 main group level  
**B01D** (2006.01)

CPC (source: EP)  
**B01L 3/502715** (2013.01); **G01N 30/84** (2013.01); **B01L 3/502753** (2013.01); **B01L 2200/027** (2013.01); **B01L 2200/028** (2013.01); **B01L 2300/0681** (2013.01); **B01L 2300/0887** (2013.01); **B01L 2400/0421** (2013.01); **G01N 30/02** (2013.01); **G01N 30/6095** (2013.01); **G01N 30/80** (2013.01); **G01N 2030/8411** (2013.01)

Citation (search report)  
• [X] US 6184029 B1 20010206 - WILDING PETER [US], et al  
• [A] EP 0470438 A1 19920212 - MILES INC [US]  
• [A] US 2002155010 A1 20021024 - KARP CHRISTOPH D [US], et al  
• See references of WO 2004087281A2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2004087281 A2 20041014**; **WO 2004087281 A3 20050616**; **WO 2004087281 A9 20041118**; EP 1616189 A2 20060118;  
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