

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 A2 20060118 (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 1-7
G01N 33/566; B01D 63/00; B01L 11/00; C23F 1/00; C12Q 1/00

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

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004087281 A2 20041014; **WO 2004087281 A3 20050616**; **WO 2004087281 A9 20041118**; EP 1616189 A2 20060118; EP 1616189 A4 20071017

DOCDB simple family (application)
US 2004010163 W 20040331; EP 04749668 A 20040331