

Title (en)
INTERFACE MEMBERS AND HOLDERS FOR MICROFLUIDIC ARRAY DEVICES

Title (de)
GRENZFLÄCHENGLIEDER UND HALTER FÜR MIKROFLUIDISCHE ARRAY-EINRICHTUNGEN

Title (fr)
ELEMENTS D'INTERFACE ET SUPPORTS POUR DISPOSITIFS DE RESEAU MICROFLUIDIQUE

Publication
EP 1466144 A4 20070905 (EN)

Application
EP 02805626 A 20021218

Priority

- US 0240575 W 20021218
- US 34106901 P 20011219
- US 6100102 A 20020130
- US 17434302 A 20020617
- US 30504502 A 20021126

Abstract (en)
[origin: WO03054488A1] A member for holding at least one microfluidic device and providing an interface between the at least one microfluidic device and a second device is provided. The at least one microfluidic device has a plurality of reservoirs formed therein and the member includes a body having an upper face and a lower face and a plurality of open well members formed therein. Each well member is defined by a well wall and includes a first end and an opposing second end, wherein the second end is configured and dimensioned for frictionally engaging the at least one microfluidic device such that at least some of the open well members and the reservoirs of the microfluidic device align with one another. An apparatus for interfacing with a mass spectrometer to perform a nanospray application is also provided.

IPC 1-7
G01D 15/16; B44C 1/22; C02F 1/40; B01D 57/02; G21G 5/00

IPC 8 full level
G01N 27/62 (2006.01); **B01L 3/00** (2006.01); **B01L 3/02** (2006.01); **B01L 9/00** (2006.01); **B81B 1/00** (2006.01); **G01N 21/05** (2006.01); **G01N 21/33** (2006.01); **G01N 27/447** (2006.01); **G01N 31/20** (2006.01); **G01N 35/10** (2006.01); **G01N 37/00** (2006.01); **H01J 49/04** (2006.01); **C40B 60/14** (2006.01); **G01N 30/60** (2006.01)

CPC (source: EP)
B01L 3/0268 (2013.01); **B01L 9/527** (2013.01); **G01N 27/44717** (2013.01); **G01N 27/44791** (2013.01); **H01J 49/167** (2013.01); **B01J 2219/0036** (2013.01); **B01L 3/5025** (2013.01); **B01L 3/5027** (2013.01); **B01L 2200/021** (2013.01); **B01L 2200/027** (2013.01); **B01L 2200/12** (2013.01); **B01L 2300/0819** (2013.01); **B01L 2400/027** (2013.01); **B01L 2400/0481** (2013.01); **C40B 60/14** (2013.01); **G01N 30/6026** (2013.01); **G01N 35/1074** (2013.01); **G01N 2035/1039** (2013.01)

Citation (search report)

- [X] US 6284113 B1 20010904 - BJORNSEN TORLEIF OVE [US], et al
- [X] WO 9715394 A1 19970501 - SMITHKLINE BEECHAM CORP [US], et al
- [X] WO 0024511 A1 20000504 - UNIV CALIFORNIA [US]
- See references of WO 03054488A1

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

DOCDB simple family (publication)
WO 03054488 A1 20030703; AU 2002366697 A1 20030709; CA 2470847 A1 20030703; EP 1466144 A1 20041013; EP 1466144 A4 20070905; JP 2005513465 A 20050512; JP 4439916 B2 20100324

DOCDB simple family (application)
US 0240575 W 20021218; AU 2002366697 A 20021218; CA 2470847 A 20021218; EP 02805626 A 20021218; JP 2003555152 A 20021218