

Title (en)

APPARATUS FOR MULTI-WELL MICROSCALE SYNTHESIS

Title (de)

MEHRGEFÄSSVORRICHTUNG FÜR SYNTHESE IM MIKROMASSSTAB

Title (fr)

APPAREIL MULTIPUITS POUR SYNTHÈSE À PETITE ÉCHELLE

Publication

EP 0948409 A1 19991013 (EN)

Application

EP 97950641 A 19971118

Priority

- US 9721228 W 19971118
- US 3102496 P 19961118
- US 4321197 P 19970409

Abstract (en)

[origin: WO9822219A1] A multi-well synthesis and filtration apparatus (10) for performing multiple, simultaneous chemical reactions, workups and purifications on a micro scale. The apparatus (10) includes a deep-well synthesis block (12) having a plurality of wells (24) fitted with filter disks (48), an upper cover (14), a lower cover (16) and a pair of sheet gaskets (18 and 20). The sheet gaskets (18 and 20) are interposed between the upper and lower covers (14 and 16) to seal inlet portions (38) and outlet spouts (40) of the wells (24). Apertures (70) in the upper cover (14) provide that the sheet gasket (18) may be punctured for introduction of materials and/or maintenance of an inert atmosphere. The design is such that either the synthesis block (12) alone, or the block (12) as covered, is dimensionally of a size that provides for a footprint that is the same as a standard microplate.

IPC 1-7

B01L 9/00; **B01L 11/00**

IPC 8 full level

B01J 19/00 (2006.01); **B01L 3/00** (2006.01); **C12M 1/00** (2006.01); **C12P 21/02** (2006.01); **C40B 60/14** (2006.01)

CPC (source: EP)

B01J 19/0046 (2013.01); **B01L 3/5025** (2013.01); **B01L 3/50255** (2013.01); **B01J 2219/00286** (2013.01); **B01J 2219/00313** (2013.01); **B01J 2219/00319** (2013.01); **B01J 2219/00335** (2013.01); **B01J 2219/00416** (2013.01); **B01J 2219/00423** (2013.01); **B01J 2219/00585** (2013.01); **B01J 2219/00596** (2013.01); **C40B 60/14** (2013.01)

Designated contracting state (EPC)

BE CH DE DK ES FR IT LI LU NL SE

DOCDB simple family (publication)

WO 9822219 A1 19980528; AU 5359398 A 19980610; EP 0948409 A1 19991013; EP 0948409 A4 20011205; GB 2322570 A 19980902; GB 2322570 B 20001115; GB 9812156 D0 19980805; JP 2000507502 A 20000620; JP 3338961 B2 20021028

DOCDB simple family (application)

US 9721228 W 19971118; AU 5359398 A 19971118; EP 97950641 A 19971118; GB 9812156 A 19971118; JP 52387398 A 19971118