

Title (en)

FILTRATION MODULE INCLUDING UNITARY FILTER CARTRIDGE-BOWL CONSTRUCTION

Title (de)

FILTRATIONSMODUL MIT EINER EINTEILIGEN FILTERPATRONEN-GEHÄUSE-KONSTRUKTION

Title (fr)

MODULE DE FILTRATION INCORPORANT UN ENSEMBLE DE CYLINDRE DE CARTOUCHE FILTRANTE EN UNE PIECE

Publication

**EP 1417017 A4 20050112 (EN)**

Application

**EP 02780953 A 20020610**

Priority

- US 0218170 W 20020610
- US 30171001 P 20010628

Abstract (en)

[origin: WO03002229A1] A filtration module (1) is provided which includes a manifold (3), a filtration cartridge (50) and a bowl (2) that houses the filter cartridge (50). The filtration cartridge (50) and bowl (2) are connected to each other by a snap fit construction (22) to form a unitary construction. The filtration cartridge (50) and bowl (2) are in fluid communication with the manifold (3) which prevents mixing of a fluid feed to the module (1) and a permeate removed from the module (1).

IPC 1-7

**B01D 27/08**; **B01D 35/30**; **B01D 61/18**

IPC 8 full level

**B01D 63/00** (2006.01); **B01D 29/11** (2006.01); **B01D 35/30** (2006.01); **B01D 61/18** (2006.01); **B01D 63/02** (2006.01); **B01D 63/06** (2006.01); **B01D 63/10** (2006.01); **B01D 65/00** (2006.01)

CPC (source: EP KR US)

**B01D 27/08** (2013.01 - KR); **B01D 29/11** (2013.01 - KR); **B01D 35/30** (2013.01 - EP); **B01D 61/18** (2013.01 - EP); **B01D 63/067** (2013.01 - EP); **B01D 63/10** (2013.01 - EP KR US); **B01D 65/00** (2013.01 - EP); **B01D 2201/302** (2013.01 - EP); **B01D 2201/4046** (2013.01 - EP); **B01D 2201/4084** (2013.01 - EP); **B01D 2313/13** (2013.01 - EP KR US); **B01D 2313/205** (2022.08 - EP KR US); **B01D 2313/44** (2013.01 - EP)

Citation (search report)

- [X] WO 0021640 A1 20000420 - MILLIPORE CORP [US], et al
- [X] WO 0126777 A1 20010419 - MILLIPORE CORP [US]
- See also references of WO 03002229A1

Designated contracting state (EPC)

AT BE CH CY DE FR GB IT LI NL

DOCDB simple family (publication)

**WO 03002229 A1 20030109**; CN 1241670 C 20060215; CN 1529628 A 20040915; CN 1836765 A 20060927; EP 1417017 A1 20040512; EP 1417017 A4 20050112; JP 2004535291 A 20041125; KR 20040021619 A 20040310; TW 542744 B 20030721

DOCDB simple family (application)

**US 0218170 W 20020610**; CN 02812834 A 20020610; CN 200610006151 A 20020610; EP 02780953 A 20020610; JP 2003508458 A 20020610; KR 20037017033 A 20031227; TW 91114343 A 20020628