

Title (en)  
FLUID TREATMENT ARRANGEMENT

Title (de)  
ANORDNUNG ZUR FLUSSIGKEITSBEHANDLUNG

Title (fr)  
DISPOSITIF DE TRAITEMENT DE FLUIDES

Publication  
**EP 0888161 A1 19990107 (EN)**

Application  
**EP 97914973 A 19970311**

Priority  
• US 9703774 W 19970311  
• US 1323696 P 19960311

Abstract (en)  
[origin: WO9733675A1] A fluid treatment arrangement includes a tube sheet (30) and a plurality of fluid treatment elements (60) sealed to the tube sheet (30). The fluid treatment arrangement is designed so that the fluid treatment elements (60) can be easily unsealed and removed from the tube sheet (30). According to one form of the invention, the arrangement may include an ejector mechanism (90) movable with respect to the tube sheet (30) into and out of contact with the fluid treatment elements (60). When the ejector mechanism (90) contacts the fluid treatment elements it can exert an axial force on the fluid treatment elements (60) to produce relative movement between the fluid treatment elements (60) and the tube sheet (30) by a sufficient distance to unseal the fluid treatment elements (60) from the tube sheet (30), making it easy to remove the fluid treatment elements (60) from the tube sheet (30). In preferred embodiments, the fluid treatment elements (60) comprise filter elements.

IPC 1-7  
**B01D 29/50**

IPC 8 full level  
**B01D 29/11** (2006.01); **B01D 29/50** (2006.01)

CPC (source: EP)  
**B01D 29/111** (2013.01); **B01D 29/15** (2013.01); **B01D 29/21** (2013.01); **B01D 29/52** (2013.01); **B01D 29/96** (2013.01); **B01D 2201/0446** (2013.01)

Designated contracting state (EPC)  
CH DE ES FI FR GB LI SE

DOCDB simple family (publication)  
**WO 9733675 A1 19970918**; AU 2203597 A 19971001; EP 0888161 A1 19990107; EP 0888161 A4 19990609; JP 2000506440 A 20000530

DOCDB simple family (application)  
**US 9703774 W 19970311**; AU 2203597 A 19970311; EP 97914973 A 19970311; JP 53275797 A 19970311