

Title (en)
METHOD AND DEVICE FOR CARRYING OUT MEMBRANE PURIFICATION

Title (de)
VERFAHREN UND VORRICHTUNG ZUR MEMBRANREINIGUNG

Title (fr)
PROCEDE ET DISPOSITIF DE PURIFICATION SUR MEMBRANE

Publication
EP 1301265 A1 20030416 (DE)

Application
EP 01967112 A 20010629

Priority
• DE 10034386 A 20000714
• EP 0107493 W 20010629

Abstract (en)
[origin: WO0205936A1] The invention relates to a method and device for carrying out electrofiltration. Electrofiltration is a commonly known method, which is frequently used in industry for purifying suspensions, such as wastewater resulting from manufacturing processes. Prior art devices used for carrying out electrofiltration have the drawback in that large amounts of expensive metals such as titanium, gold, iridium, platinum and the like have to be used as counter-electrodes to the membrane electrodes. The aim of the invention is to improve the filtration results compared to those of conventional filtration methods and modules without requiring the use of large amounts of expensive metals for the counter-electrodes. To this end, the invention provides a method, according to which the membrane electrodes are displaced, and a device for carrying out said method. The inventive method and device can be used for separating substances.

IPC 1-7
B01D 65/02; **B01D 65/04**

IPC 8 full level
B01D 35/06 (2006.01); **B01D 61/42** (2006.01); **B01D 63/08** (2006.01); **B01D 63/16** (2006.01); **B01D 65/02** (2006.01); **B01D 65/08** (2006.01); **B01D 69/10** (2006.01); **B01D 69/12** (2006.01); **B01D 71/02** (2006.01)

CPC (source: EP US)
B01D 35/06 (2013.01 - EP US); **B01D 61/425** (2013.01 - EP); **B01D 63/084** (2013.01 - EP US); **B01D 63/16** (2013.01 - EP US); **B01D 65/02** (2013.01 - EP US); **B01D 65/08** (2013.01 - EP US); **B01D 71/02** (2013.01 - US); **B01D 71/024** (2013.01 - EP); **B01D 2321/04** (2013.01 - EP US); **B01D 2321/185** (2013.01 - EP US); **B01D 2321/22** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 0205936 A1 20020124; AU 8757201 A 20020130; CA 2411935 A1 20021205; DE 10034386 A1 20020124; EP 1301265 A1 20030416; JP 2004503376 A 20040205; US 2004262169 A1 20041230

DOCDB simple family (application)
EP 0107493 W 20010629; AU 8757201 A 20010629; CA 2411935 A 20010629; DE 10034386 A 20000714; EP 01967112 A 20010629; JP 2002511864 A 20010629; US 29758103 A 20030423