

Title (en)
METHOD AND APPARATUS FOR FILTERING LIQUID OR PASTY SUBSTANCES AND/OR SEPARATING COMPONENTS THEREFROM

Title (de)
VERFAHREN UND VORRICHTUNG ZUM FILTRIEREN VON FLÜSSIGEN ODER PASTÖSEN SUBSTANZEN UND ZUM ABTRENNEN VON IN
DIESEN SUBSTANZEN ENTHALTENEN VERBINDUNGEN

Title (fr)
PROCEDE ET APPAREIL POUR FILTRER DES SUBSTANCES LIQUIDES OU PATEUSES ET/OU POUR SEPARER DES COMPOSANTS
INCLUS DANS CES SUBSTANCES

Publication
EP 0876186 A1 19981111 (FR)

Application
EP 96940975 A 19961217

Priority
• CH 9600443 W 19961217
• FR 9515799 A 19951218

Abstract (en)
[origin: WO9722398A1] A method and an apparatus for filtering liquid or pasty substances and/or separating components of the substances and/or particles present therein. The apparatus comprises a vessel (11) containing the substance (12) to be processed. The vessel is surrounded by a casing (13) containing a fluid (14) such as a heat transfer fluid. A sonotrode (19) provided on the casing (13) is arranged to apply high-frequency vibration to the substance (12) via the fluid (14) in order to promote the filtration and/or separation of said substance (12).

IPC 1-7
B01D 37/00; **B01D 29/11**; **B01J 19/10**

IPC 8 full level
B01D 35/20 (2006.01); **B01D 24/12** (2006.01); **B01D 29/11** (2006.01); **B01D 29/39** (2006.01); **B01D 33/09** (2006.01); **B01D 33/11** (2006.01);
B01D 63/16 (2006.01); **B01J 19/10** (2006.01)

CPC (source: EP)
B01D 24/12 (2013.01); **B01D 24/4846** (2013.01); **B01D 29/114** (2013.01); **B01D 29/118** (2013.01); **B01D 29/39** (2013.01); **B01D 29/41** (2013.01);
B01D 29/52 (2013.01); **B01D 29/54** (2013.01); **B01D 29/74** (2013.01); **B01D 29/865** (2013.01); **B01D 33/09** (2013.01); **B01D 33/11** (2013.01);
B01D 33/39 (2013.01); **B01D 33/466** (2013.01); **B01D 33/68** (2013.01); **B01D 63/16** (2013.01); **B01J 19/10** (2013.01); **B01D 2201/0446** (2013.01)

Citation (search report)
See references of WO 9722398A1

Designated contracting state (EPC)
BE CH DE FR GB IE IT LI NL

DOCDB simple family (publication)
WO 9722398 A1 19970626; EP 0876186 A1 19981111; FR 2742352 A1 19970620; FR 2742352 B1 19980227; JP 2000501651 A 20000215

DOCDB simple family (application)
CH 9600443 W 19961217; EP 96940975 A 19961217; FR 9515799 A 19951218; JP 52238997 A 19961217