

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE INTEGRITY OF MEMBRANE FILTRATION UNITS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KONTROLLE DER FUNKTIONSFÄHIGKEIT VON MEMBRANFILTRATIONSEINHEITEN

Title (fr)

PROCEDE ET DISPOSITIF DE CONTR LE DE L'INTEGRITE DES MODULES DE FILTRATION MEMBRANAIRE

Publication

EP 1414555 A1 20040506 (FR)

Application

EP 02762519 A 20020703

Priority

- FR 0202323 W 20020703
- FR 0110513 A 20010806

Abstract (en)

[origin: FR2828116A1] A hollow fibre (10) filter module test procedure transmits (16) sound during normal, stopped or back flushing operational mode, from one side of the filter module membrane in a different band or at a higher level to parasitic noises and detects (14) it emerging from a broken fibre on the other side for comparison with a threshold in the same frequency band. An Independent claim is also included for equipment using the procedure.

IPC 1-7

B01D 65/10; G01M 3/24; G01N 15/08

IPC 8 full level

G01M 3/24 (2006.01); **B01D 63/02** (2006.01); **B01D 63/10** (2006.01); **B01D 65/10** (2006.01); **G01N 15/08** (2006.01)

CPC (source: EP KR US)

B01D 63/02 (2013.01 - KR); **B01D 65/102** (2013.01 - EP KR US); **G01N 15/082** (2013.01 - EP KR US); **G01N 2015/084** (2013.01 - EP KR US); **G01N 2015/086** (2013.01 - KR)

Citation (search report)

See references of WO 03013707A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

FR 2828116 A1 20030207; **FR 2828116 B1 20031114**; CA 2456064 A1 20030220; CN 1538872 A 20041020; EP 1414555 A1 20040506; JP 2005525211 A 20050825; KR 20040043180 A 20040522; RU 2004106622 A 20050327; US 2004237654 A1 20041202; WO 03013707 A1 20030220

DOCDB simple family (application)

FR 0110513 A 20010806; CA 2456064 A 20020703; CN 02815379 A 20020703; EP 02762519 A 20020703; FR 0202323 W 20020703; JP 2003518702 A 20020703; KR 20047001807 A 20020703; RU 2004106622 A 20020703; US 48488704 A 20040709