

Title (en)

DEVICES AND METHODS FOR LOCATING DEFECTIVE FILTER ELEMENTS AMONG A PLURALITY OF FILTER ELEMENTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR LOKALISIERUNG DEFEKTER FILTERELEMENTE INNERHALB EINER MEHRZAHL VON FILTERELEMENTEN

Title (fr)

DISPOSITIFS ET PROCEDES SERVANT A LOCALISER DES FILTRES DEFECTUEUX DANS UNE PLURALITE DE FILTRES

Publication

EP 1021240 A1 20000726 (EN)

Application

EP 98950753 A 19980930

Priority

- US 9820357 W 19980930
- US 6050097 P 19970930

Abstract (en)

[origin: WO9916538A1] The present invention includes a device for locating defective filter elements among a plurality of filter elements. The device includes a sound monitoring apparatus and a processing circuit. The sound monitoring apparatus is associated with a plurality of filter elements to detect sounds emanating from the plurality of filter elements and produce output signals indicative of the sounds. The processing circuit is coupled to the sound monitoring apparatus to determine the location of defective filter elements among the plurality of filter elements based on the output signals. The present invention also includes a probe for locating defective filter elements based on sounds emanating from the filter elements.

IPC 1-7

B01D 65/10; B01D 46/24; G01N 15/08; G01S 5/18

IPC 8 full level

B01D 46/00 (2006.01); **B01D 46/44** (2006.01); **B01D 65/10** (2006.01); **G01N 15/08** (2006.01); **G01N 29/14** (2006.01); **G01S 5/18** (2006.01)

CPC (source: EP)

B01D 46/0086 (2013.01); **B01D 46/44** (2013.01); **B01D 65/102** (2013.01); **B01D 65/104** (2013.01); **G01N 29/14** (2013.01);
B01D 2273/18 (2013.01); **B01D 2273/24** (2013.01); **G01N 2291/2698** (2013.01)

Citation (search report)

See references of WO 9916538A1

Cited by

CN105771668A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9916538 A1 19990408; CA 2303903 A1 19990408; EP 1021240 A1 20000726; JP 2001518380 A 20011016

DOCDB simple family (application)

US 9820357 W 19980930; CA 2303903 A 19980930; EP 98950753 A 19980930; JP 2000513663 A 19980930