

Title (en)

Device for separating certain materials produced by an internal combustion engine.

Title (de)

Vorrichtung zur Trennung bestimmter Stoffe, die von einem Verbrennungsmotor produziert werden

Title (fr)

Dispositif de séparation de certaines matières produites par un moteur à combustion interne

Publication

EP 1905971 A3 20100804 (FR)

Application

EP 07117341 A 20070927

Priority

FR 0608534 A 20060928

Abstract (en)

[origin: EP1905971A2] The device (1) has a separation element (6) with a filtering medium (7) extending between upper and lower flanges (8, 9). A flexible membrane (10) is disposed at the interior of a case (2) to form an isolating plug and is made of elastomer material. The membrane is in a position which allows communication between inlet and outlet pipes (5, 13) in form of tubes or in another position which prevents the communication. The membrane presents an external edge (11) which is directly wedged in a sealed manner between the flange (8) of the element and a cover (12) of the device.

IPC 8 full level

F01M 13/02 (2006.01)

CPC (source: EP)

F01M 11/03 (2013.01); **F01M 13/04** (2013.01)

Citation (search report)

- [AD] DE 20308834 U1 20031002 - KARABACH OLEKSANDR [UA], et al
- [AD] DE 19507202 A1 19951005 - KNECHT FILTERWERKE GMBH [DE]
- [A] DE 20016214 U1 20020207 - HENGST WALTER GMBH & CO KG [DE]
- [A] US 2005247354 A1 20051110 - HEZEL BRUNO [DE], et al
- [AP] DE 202005010445 U1 20061116 - MANN & HUMMEL GMBH [DE]

Cited by

CN102410062A; FR2929985A1; EP2108790A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1905971 A2 20080402; EP 1905971 A3 20100804; EP 1905971 B1 20110810; FR 2906564 A1 20080404; FR 2906564 B1 20120224

DOCDB simple family (application)

EP 07117341 A 20070927; FR 0608534 A 20060928