

Title (en)

ADSORPTION FILTER FOR THE FUEL TANK VENTING SYSTEM OF AN INTERNAL COMBUSTION ENGINE AND PROCESS FOR OPERATING SAID SYSTEM

Title (de)

ADSORPTIONS-FILTER EINER KRAFTSTOFFTANK-ENTLÜFTUNGSANLAGE EINES VERBRENNUNGSMOTORS UND VERFAHREN ZUM BETREIBEN DIESER ANLAGE

Title (fr)

FILTRE ADSORBANT POUR LE SYSTEME DE MISE A L'AIR LIBRE DU RESERVOIR DE CARBURANT D'UN MOTEUR A COMBUSTION INTERNE ET PROCEDE D'UTILISATION DE CE SYSTEME

Publication

EP 0865571 A1 19980923 (DE)

Application

EP 97926982 A 19970606

Priority

- DE 9701137 W 19970606
- DE 19623740 A 19960614
- DE 19628153 A 19960712

Abstract (en)

[origin: WO9747874A1] A process and device are provided to supply the air mass flux required to regenerate the adsorption material of an adsorption filter (1) in the fuel tank venting system of an internal combustion engine while the engine is running and independently of a depression in the air intake pipe (12) of the engine. For this purpose, atmospheric air is fed at least partially and temporarily by an air pump (15) through the adsorption filter (1) to the air intake pipe (8) of the internal combustion engine while the engine is running. The air pump (15) integrated in the device makes it possible to obtain a module which is easy to produce and to handle and which contains all units of the venting system.

IPC 1-7

F02M 25/08

IPC 8 full level

F02M 25/08 (2006.01)

CPC (source: EP US)

F02M 25/0818 (2013.01 - EP US); **F02M 25/0854** (2013.01 - EP US)

Citation (search report)

See references of WO 9747874A1

Cited by

DE102010019046A1

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

WO 9747874 A1 19971218; DE 19628153 A1 19980305; DE 19628153 B4 20090416; DE 59700822 D1 20000113; EP 0865571 A1 19980923; EP 0865571 B1 19991208; ES 2141619 T3 20000316; US 5983870 A 19991116

DOCDB simple family (application)

DE 9701137 W 19970606; DE 19628153 A 19960712; DE 59700822 T 19970606; EP 97926982 A 19970606; ES 97926982 T 19970606; US 18006898 A 19981030