

Title (en)

DEVICE FOR CRANKCASE VENTILATION OF AN INTERNAL COMBUSTION ENGINE

Title (de)

EINRICHTUNG FÜR DIE KURBELGEHÄUSE-ENTLÜFTUNG EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF POUR L'AERATION DU CARTER DE VILEBREQUIN D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1444423 A1 20040811 (DE)

Application

EP 02785366 A 20021107

Priority

- DE 20118388 U 20011113
- EP 0212417 W 20021107

Abstract (en)

[origin: WO03042513A1] The invention relates to a device (1) for crankcase ventilation of an internal combustion engine (2), comprising a ventilation duct (10) extending from the crankcase (21) to an induction tract (22) of the internal combustion engine (2), whereby at least one oil vapor separator (11) causing a drop in pressure is arranged in said duct and a crankcase vacuum control valve (12) is arranged upstream or downstream therefrom and can be adjusted according to the pressure in the crankcase such that a lower pressure threshold valve in the crankcase (21) is respected. The novel device is characterized in that a discharge duct (15) extending from the crankcase (21) to the induction tract (22) of the internal combustion engine (2) is also provided, whereby a crankcase overpressure limiting valve (3) is disposed inside said duct and can be adjusted in a pressure-dependent manner to ensure that an upper pressure threshold in the crankcase (21) is not exceeded.

IPC 1-7

F01M 13/02

IPC 8 full level

F01M 13/02 (2006.01); **F01M 13/00** (2006.01)

CPC (source: EP US)

F01M 13/022 (2013.01 - EP US); **F01M 2013/0055** (2013.01 - EP US)

Citation (search report)

See references of WO 03042513A1

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)

DE 20118388 U1 20030327; EP 1444423 A1 20040811; US 2005061305 A1 20050324; US 7025049 B2 20060411; WO 03042513 A1 20030522

DOCDB simple family (application)

DE 20118388 U 20011113; EP 0212417 W 20021107; EP 02785366 A 20021107; US 49464104 A 20041115