

Title (en)

Oil mist separator of a combustion engine

Title (de)

Ölnebelabscheider einer Brennkraftmaschine

Title (fr)

Séparateur de vapeur d'huile d'un moteur à combustion interne

Publication

**EP 2020485 A3 20110112 (DE)**

Application

**EP 08160890 A 20080722**

Priority

- DE 202007010776 U 20070731
- DE 102007054921 A 20071115

Abstract (en)

[origin: EP2020485A2] The separator (1) has a rotor (2) arranged in a housing (10), and a gas guide ring (3) radially surrounding the rotor, where the separator is designed as a centrifugal separator. The guide ring extends in an axial direction of the rotor and made from plastic or steel plate. The guide ring is loaded with a preload force, and an oil discharging channel is arranged in the guide ring, where the guide ring is not rotated simultaneously relative to the rotor.

IPC 8 full level

**F01M 13/04** (2006.01)

CPC (source: EP)

**B04B 5/12** (2013.01); **B04B 7/02** (2013.01); **B04B 7/04** (2013.01); **F01M 13/04** (2013.01); **B04B 2005/125** (2013.01); **F01M 2013/0422** (2013.01)

Citation (search report)

- [X] EP 1273335 A2 20030108 - ALFA LAVAL CORP AB [SE]
- [X] WO 2006132577 A1 20061214 - ALFA LAVAL CORP AB [SE], et al
- [A] WO 03037521 A1 20030508 - ALFA LAVAL CORP AB [SE], et al
- [AD] DE 10338770 B4 20050825 - MANN & HUMMEL GMBH [DE]
- [A] US 6019717 A 20000201 - HERMAN PETER K [US]

Cited by

WO2022111949A1; CN103097033A; US2013123090A1; EP4005680A1; CN115324685A; DE102014220155A1; EP3199242A4; US9821322B2; EP3112031A4; DE202016105408U1; EP3385514A1; DE202018107273U1; WO2012013550A1; WO2011110630A1; WO2018234231A1; WO2018234234A1; US10569283B2; US11292013B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2020485 A2 20090204; EP 2020485 A3 20110112; EP 2020485 B1 20130925**

DOCDB simple family (application)

**EP 08160890 A 20080722**