

Title (en)

System for heating the oil vapour flowing through a circuit that is external to a vehicle engine

Title (de)

System zur Erwärmung des durch eine außerhalb eines Fahrzeugmotors liegende Schaltung fließenden Öldampfes

Title (fr)

Système de chauffage de l'écoulement des vapeurs d'huile par un circuit externe au moteur du véhicule

Publication

EP 1854968 A3 20100728 (EN)

Application

EP 07107838 A 20070509

Priority

IT MI20060942 A 20060512

Abstract (en)

[origin: EP1854968A2] A system for heating the oil vapour flowing through a circuit that is external to a vehicle engine is described, said system comprising the use of external pipes (1) covered with another coaxial tube (outer jacket) (4), wherein water coming from the engine cooling system is made to circulate, to produce a heat exchange effect that heats the oil vapour.

IPC 8 full level

F01M 13/00 (2006.01)

CPC (source: EP)

F01M 13/00 (2013.01); **F01M 2013/0027** (2013.01)

Citation (search report)

- [X] US 4768493 A 19880906 - OHTAKA SHOICHI [JP], et al
- [X] EP 0302438 A1 19890208 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] DE 102004031499 A1 20060126 - DAIMLER CHRYSLER AG [DE]
- [A] US 4922882 A 19900508 - TOEPFER WALTER [DE]
- [A] EP 0709565 A1 19960501 - CONTINENTAL AG [DE], et al
- [X] JP H1193635 A 19990406 - KUBOTA KK

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

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DOCDB simple family (application)

EP 07107838 A 20070509; CN 200710104969 A 20070510; IT MI20060942 A 20060512; JP 2007128082 A 20070514; RU 2007117684 A 20070511