

Title (en)
Turbo charger with convection cooling system

Title (de)
Turbolader mit Konvektionskühlung

Title (fr)
Turbosoufflante dotée d'un refroidissement par convection

Publication
EP 1832730 A3 20090923 (DE)

Application
EP 07004656 A 20070307

Priority
DE 102006010470 A 20060307

Abstract (en)
[origin: EP1832730A2] The engine (15) has a turbocharger (1) attached at a turbocharger supply system and at a turbocharger-return system for discharging coolant warmed in the turbocharger to a coolant circuit. The supply system between a water pump-outlet connection and a radiator-supply system is deviated from a cooling water circuit. The turbocharger-return system is opened in the area of a cooling water circuit provided between a radiator-return system and a water pump-inlet connection, where a water level of a compensation tank (9) is higher than the supply system and the turbocharger-return system.

IPC 8 full level
F01P 3/12 (2006.01)

CPC (source: EP)
F01P 3/12 (2013.01); **F01P 2060/12** (2013.01)

Citation (search report)
• [X] EP 0160243 A1 19851106 - TOYOTA MOTOR CO LTD [JP]
• [X] DE 3928477 A1 19900308 - FUJI HEAVY IND LTD [JP]
• [A] EP 0383172 A2 19900822 - OPEL ADAM AG [DE]
• [A] EP 0302245 A1 19890208 - BBC BROWN BOVERI & CIE [CH]

Cited by
US2017016383A1; US10364737B2; US11199125B2; US10232702B2; CN106715858A; KR20170065566A; US2017204776A1; RU2680278C2; WO2019203701A1; WO2015053684A1; WO2016050939A1

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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