

Title (en)
Crankcase ventilation system for engine

Title (de)
Motorgehäuseentlüftungssystem für Brennkraftmaschine

Title (fr)
Système de ventilation de carter pour moteur

Publication
EP 2182185 A1 20100505 (EN)

Application
EP 09174401 A 20091029

Priority
JP 2008282765 A 20081104

Abstract (en)
A crankcase ventilation system for a supercharged engine, includes a blowby gas recirculation passage for connecting a downstream section of an intake passage of the engine and a crankcase of the engine, the downstream section being located downstream of a throttle valve. A fresh air introduction passage is provided for connecting an upstream section of the intake passage and the crankcase, the upstream section being located upstream of the throttle valve. Additionally, a PCV valve is disposed in the blowby gas recirculation passage. In this crankcase ventilation system, fresh air is introduced from the downstream section of the intake passage into the crankcase through the blowby gas recirculation passage including the PCV valve or through a check valve disposed in parallel with the PCV valve when the boost pressure in the downstream section of the intake passage becomes positive.

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)
• JP 2004060475 A 20040226 - HONDA MOTOR CO LTD
• JP 2007016664 A 20070125 - TOYOTA MOTOR CORP

Citation (search report)
• [X] JP 2004060475 A 20040226 - HONDA MOTOR CO LTD
• [XA] WO 2008041113 A2 20080410 - TOYOTA MOTOR CO LTD [JP], et al
• [A] DE 102006019634 A1 20071031 - MAHLE INT GMBH [DE]
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Designated extension state (EPC)
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EP 09174401 A 20091029; JP 2008282765 A 20081104