

Title (en)

SYSTEM FOR CHARGE AIR COOLING AND ASSOCIATED METHOD FOR PROVIDING CHARGE AIR COOLING FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

SYSTEM ZUR LADELUFTKÜHLUNG UND ZUGEHÖRIGES VERFAHREN ZUR BEREITSTELLUNG EINER LADELUFTKÜHLUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

SYSTÈME DESTINÉ AU REFROIDISSEMENT DE L'AIR DE SURALIMENTATION ET PROCÉDÉ CORRESPONDANT POUR LA MISE AU POINT D'UN REFROIDISSEMENT DE L'AIR DE SURALIMENTATION POUR UN MOTEUR À COMBUSTION

Publication

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Application

EP 13740269 A 20130722

Priority

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- EP 2013065437 W 20130722

Abstract (en)

[origin: WO2014016259A1] The invention relates to a system for charge air cooling for an internal combustion engine (2) based on an engine family, wherein an intake module (8) is arranged between a throttle valve (7) and a combustion chamber (3). A first cooling device (14) of the system is shaped to be structurally integrated into the intake module (8). Furthermore, in accordance with the system, a second cooling device (17, 19) is available, which supplements the first cooling device (14) and which is designed to pre-cool charge air before said charge air enters the intake module (8) and which is adapted for use with at least one engine model of the engine family. The second cooling device is intended for top engine types and can be arranged between the throttle valve (7) and a charge air compressor (5).

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2014016259A1

Citation (examination)

- FR 2916020 A1 20081114 - RENAULT SAS [FR]
- WO 2011120933 A1 20111006 - VALEO SYSTEMES THERMIQUES [FR], et al
- LÜCKERT P ET AL: "DER NEUE VIERZYLINDER-DIESELMOTOR FÜR DIE B-KLASSE VON MERCEDES-BENZ", MTZ - MOTORTECHNISCHE ZEITSCHRIFT, SPRINGER, vol. 72, no. 11, 1 November 2011 (2011-11-01), pages 856 - 865, XP001569843, ISSN: 0024-8525, DOI: 10.1365/S35146-011-0187-Z

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