

Title (en)

EGR/COOLING INTEGRATED MODULE FOR AN IC ENGINE

Title (de)

INTEGRIERTES AGR/KÜHLMODUL FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

MODULE INTEGRE D'EGR/REFROIDISSEMENT POUR UN MOTEUR A COMBUSTION INTERNE

Publication

EP 2215345 A1 20100811 (EN)

Application

EP 08838445 A 20081008

Priority

- EP 2008063496 W 20081008
- ES 200702654 A 20071009

Abstract (en)

[origin: WO2009047278A1] An EGR/cooling integrated module for an IC engine including an aluminium die- cast interface member (5) adapted to be mounted to the engine, and further including an EGR valve (2), an EGR cooler (3) and a bypass valve (4) carried and interconnected by the interface member (5); the EGR valve (2) is located on the hot side of the EGR cooler (3) and the interface member (5) defines a housing of said EGR valve (2) and a cooling circuit for cooling the EGR valve (2).

IPC 8 full level

F02M 25/07 (2006.01); **F01P 3/20** (2006.01)

CPC (source: EP)

F01P 7/06 (2013.01); **F02M 26/25** (2016.02); **F02M 26/30** (2016.02); **F02M 26/51** (2016.02); **F01P 11/04** (2013.01); **F02M 26/26** (2016.02); **F02M 26/53** (2016.02)

Citation (search report)

See references of WO 2009047278A1

Cited by

DE102015014090A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009047278 A1 20090416; **WO 2009047278 A8 20100114**; EP 2215345 A1 20100811; EP 2215345 B1 20140709; ES 2299405 A1 20080516; ES 2299405 B1 20090911; ES 2507565 T3 20141015; PL 2215345 T3 20150227

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