

Title (en)

APPARATUS FOR COOLING RECIRCULATED EXHAUST GAS OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUR KÜHLUNG VON RÜCKGEFÜHRTEM ABGAS EINES VERBRENNUNGSMOTORS

Title (fr)

DISPOSITIF POUR LE REFROIDISSEMENT DE GAZ D'ÉCHAPPEMENT RECYCLÉS D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2171245 A1 20100407 (DE)

Application

EP 08784703 A 20080711

Priority

- EP 2008005662 W 20080711
- DE 102007035443 A 20070726

Abstract (en)

[origin: WO2009012897A1] The invention relates to an apparatus for cooling recirculated exhaust gas of an internal combustion engine (1), comprising a first heat exchanger (14) for cooling the exhaust gas, through which heat exchanger (14) the recirculated exhaust gas can flow, and at least one second heat exchanger (15) for cooling the exhaust gas, through which heat exchanger (15) the recirculated exhaust gas flows, wherein the second heat exchanger (15) is arranged downstream of the first heat exchanger, wherein a regulating element (16) is provided, by means of which a cooling performance of at least the second heat exchanger (15) can be regulated in an adjustable way, which cooling performance acts on the exhaust-gas flow.

IPC 8 full level

F01P 7/16 (2006.01); **F02M 25/07** (2006.01)

CPC (source: EP)

F02M 26/24 (2016.02); **F02M 26/28** (2016.02); **F02M 26/09** (2016.02); **F02M 26/26** (2016.02)

Citation (search report)

See references of WO 2009012897A1

Citation (examination)

WO 2006077708 A1 20060727 - ISUZU MOTORS LTD [JP], et al & EP 1840365 A1 20071003 - ISUZU MOTORS LTD [JP]

Cited by

US8909336B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007035443 A1 20090129; EP 2171245 A1 20100407; WO 2009012897 A1 20090129

DOCDB simple family (application)

DE 102007035443 A 20070726; EP 08784703 A 20080711; EP 2008005662 W 20080711