

Title (en)
INTERNAL COMBUSTION ENGINE AND VEHICLE MOUNTED WITH THE SAME

Title (de)
VERBRENNUNGSMOTOR UND DAMIT AUSGESTATTETES FAHRZEUG

Title (fr)
MOTEUR À COMBUSTION INTERNE ET VÉHICULE ÉQUIPÉ DE CE DERNIER

Publication
EP 2217797 B1 20111109 (EN)

Application
EP 08834678 A 20080924

Priority
• JP 2008067866 W 20080924
• JP 2007246644 A 20070925

Abstract (en)
[origin: WO2009041706A2] An internal combustion engine 1 includes two cylinders 4 juxtaposed mutually adjacently to each other, two intake pipes 12, and two exhaust pipes 13. Each of the intake pipes 12 is disposed at a position to embrace the two cylinders 4 from either of both sides in a juxtaposed direction of the cylinders. In addition, the exhaust pipes 13 are connected to the cylinders 4 at positions between the intake pipes 12. This allows each of the intake pipes 12 to be held at a position away in either side from the cylinders 4 that serve as a heat source during operation of the engine, specifically, at an outside position with a low ambient temperature. Accordingly, an intake temperature of the internal combustion engine 1 can be reduced, so that detonation or the like can be prevented from occurring for improved drivability and fuel consumption.

IPC 8 full level
F02B 75/20 (2006.01); **F02M 35/112** (2006.01)

CPC (source: EP)
F02B 75/20 (2013.01); **F02M 35/10216** (2013.01); **F02M 35/10268** (2013.01); **F02M 35/1047** (2013.01); **F02M 35/112** (2013.01); **F02M 35/161** (2013.01); **F01N 13/08** (2013.01); **F02B 2075/1808** (2013.01)

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

DOCDB simple family (publication)
WO 2009041706 A2 20090402; WO 2009041706 A3 20090625; AT E532956 T1 20111115; EP 2217797 A2 20100818; EP 2217797 B1 20111109; JP 2009074510 A 20090409; JP 4888302 B2 20120229

DOCDB simple family (application)
JP 2008067866 W 20080924; AT 08834678 T 20080924; EP 08834678 A 20080924; JP 2007246644 A 20070925