

Title (en)

Forced air-cooling type internal combustion engine and saddled vehicle having the same

Title (de)

Verbrennungsmotor mit Zwangsluftkühlung und Sattelfahrzeug damit

Title (fr)

Moteur à combustion interne de type à refroidissement par circulation d'air forcée et véhicule à selle ayant celui-ci

Publication

EP 2743487 B1 20170301 (EN)

Application

EP 13188290 A 20131011

Priority

JP 2012271296 A 20121212

Abstract (en)

[origin: EP2743487A1] There is provided a forced air-cooling type internal combustion engine which excels in both castability and cooling efficiency of a cylinder head and/or a cylinder block. A forced air-cooling type internal combustion engine (101) includes: a cylinder block (103) molded by casting; a cylinder head (100) molded by casting and overlaid on the cylinder block; a shroud (130) covering at least a portion of the cylinder block and at least a portion of the cylinder head; and a fan (121) for rotating to introduce air to the inside of the shroud. At least one of the cylinder block and the cylinder head includes a cooling fin (10) formed at least in a portion covered by the shroud and a cross fin (20) provided so as to cross the cooling fin, the cross fin being connected to the cooling fin. A thickness (t ') of the cross fin at a leading edge (20a) thereof is greater than a thickness (t) of the cooling fin at a leading edge thereof.

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