

Title (en)

COOLING SYSTEM FOR PISTON OF INTERNAL COMBUSTION ENGINE

Title (de)

KÜHLSYSTEM FÜR DEN KOLBEN EINES VERBRENNUNGSMOTORS

Title (fr)

SYSTÈME DE REFROIDISSEMENT POUR PISTON DE MOTEUR À COMBUSTION INTERNE

Publication

**EP 2577015 A1 20130410 (EN)**

Application

**EP 11732511 A 20110606**

Priority

- JP 2010130308 A 20100607
- IB 2011001249 W 20110606

Abstract (en)

[origin: WO2011154806A1] A cooling system for a piston of an internal combustion engine includes a cooling channel (34) designed as an oil passage embedded in the piston and arranged adjacent to a top ring groove, and an oil supply portion (8) that supplies oil to the cooling channel. An amount of oil supplied from the oil supply portion to the cooling channel is made larger when an amount of heat generated in a combustion chamber is large than when the amount of heat generated in the combustion chamber is small.

IPC 8 full level

**F01P 3/10** (2006.01); **F01M 1/16** (2006.01)

CPC (source: EP US)

**F01P 3/02** (2013.01 - US); **F01P 3/10** (2013.01 - EP US); **F02F 3/22** (2013.01 - EP US)

Citation (search report)

See references of WO 2011154806A1

Cited by

US2014090625A1; US9464592B2; US10174713B2

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DOCDB simple family (publication)

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