

Title (en)

ELONGATED COOLING CHANNEL INLET FOR COOLING CHANNEL PISTONS, AND METHOD FOR OPERATING THE SAME

Title (de)

VERLÄNGERTER KÜHLKANALZULAUF FÜR KÜHLKANALKOLBEN UND VERFAHREN ZU SEINEM BETRIEB

Title (fr)

ALIMENTATION DE CONDUIT DE REFROIDISSEMENT PROLONGÉE POUR PISTON À CONDUIT DE REFROIDISSEMENT ET SON PROCÉDÉ DE FONCTIONNEMENT

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Application

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Abstract (en)

[origin: WO2015155309A1] The invention relates to a piston (1), in particular for an internal combustion engine, having a piston lower part (2) and a piston upper part (3), having an internally situated, preferably ring-shaped cooling channel (5), and having at least one inlet opening (10) arranged on the piston lower part (2) and at least one outlet opening (11) arranged on the piston lower part (2), via which inlet opening and outlet opening an inflow of coolant into and an outflow of coolant out of the cooling channel (5) take place, wherein the at least one inlet opening (10) and/or the at least one outlet opening (11) are/is formed by a rim hole (12), and the latter is formed integrally with the piston lower part (2), wherein the at least one rim hole (12) has a screw thread (14) into which at least one tubular element (15, 115) is inserted. The invention also relates to a method for regulating the coolant level in a cooling channel (5) of a piston (1), in particular for internal combustion engines, which has at least one inlet opening (10) and/or outlet opening (11) in the cooling channel (5), formed by a rim hole (12), wherein the coolant level in the cooling channel (5) is set by way of an adjustable tubular element (15, 115).

IPC 8 full level

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