

Title (en)

PISTON COOLING ARRANGEMENT AND CYLINDER LINER

Title (de)

KOLBENKÜHLUNGSANORDNUNG UND ZYLINDERLAUFBUCHSE

Title (fr)

SYSTÈME DE REFROIDISSEMENT DE PISTON ET CHEMISE DE CYLINDRE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2013121105A1] The cooling arrangement for a reciprocating piston (2) of an internal combustion engine comprises a cooling medium injector (5, 5') for injecting cooling oil into a space (10) between the piston (2) and the cylinder liner (1) below the piston crown (2a), an opening (8) for introducing the cooling oil from the space (10) below the piston crown (2a) into a cooling oil gallery (7), and a cooling medium duct (6, 6') for supplying the cooling oil to the cooling medium injector (5, 5'). The cooling medium injector (5, 5') is arranged inside the cylinder at such a height that the tip (5a, 5a') of the injector (5, 5') is above the center axis (4a) of the gudgeon pin (4) of the piston (2) when the piston (2) is at bottom dead center.

IPC 8 full level

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