

Title (en)

GAP GEOMETRY IN A COHESIVELY JOINED COOLING-CHANNEL PISTON

Title (de)

SPALTGEOMETRIE BEI EINEM STOFFSCHLÜSSIG GEFÜGTEN KÜHLKANALKOLBEN

Title (fr)

GÉOMÉTRIE DE FENTE DANS UN PISTON DE CANAL DE REFROIDISSEMENT ASSEMBLÉ PAR LIAISON DE MATIÈRE

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Application

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Abstract (en)

[origin: WO2016001379A1] The invention relates to a cooling-channel piston (1, 100) for an internal combustion engine, having an upper part (2, 102) and a lower part (3, 103), wherein said two parts (2, 3; 102, 103) are connected to one another by way of a cohesive joint in the form of a weld seam (11), and said two parts (2, 3; 102, 103) form an annularly encircling cooling channel (6) which is arranged approximately behind a ring section (4), wherein a gap geometry (13, 113) is provided between a lower edge (16) of the ring section (4) and an upper edge (17) of a lower part (3, 103), wherein the gap geometry (3, 113) has at least one sliding surface (19) which is arranged on a lower edge (16) of the ring section (4) of the cooling-channel piston (1, 100) and/or on the corresponding upper edge (17) of a lower part (3, 103) of the cooling-channel piston (1, 100), and to several methods for the operation of a cooling-channel piston.

IPC 8 full level

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