

Title (en)
PISTON FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
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Title (fr)
PISTON POUR UN MOTEUR À COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO2014032644A2] The invention relates to a piston (10) for an internal combustion engine, comprising a piston head (11) and a piston skirt (21), wherein said piston head (11) comprises a piston base (13), a circumferential ring part (16) and, in the region of the ring part (16), a circumferential closed cooling channel or sealed cavity (18). An inner side (12) of the piston (10) comprises two lower surfaces (34a, 34b) which transform continuously in the region of the piston central axis (M) to form an arched surface (35). Said piston skirt (21) comprises piston hubs (22) provided with hub bores (23) which are interconnected by means of running surfaces (24, 25) which comprise inner surfaces (32a, 32b) facing the inside of the piston. The invention is characterised in that starting from the free ends of the piston skirt (21), inside the piston on the pressure side (DS) and/or counter pressure side (GDS), an inner surface (32a, 32b) of a running surface (24, 25) continuously transforms into a guiding surface (33a, 33b) for a coolant which transforms continuously on the side thereof into a lower surface (34a, 34b).

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