

Title (en)
COOLED PISTON FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
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Title (fr)
PISTON REFROIDI POUR MOTEUR A COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO03098022A1] The invention relates to a cooled piston (1) for an internal combustion engine comprising a cooling duct (2). This cooling duct encircles in an annular manner inside the piston head at the height of the ring part and is closed at its end, which is open toward the piston skirt, by means of a spring part (8). Said spring part is correspondingly shaped, is radially divided at least once on the periphery thereof, and provided with a cooling oil inlet (5). The aim of the invention is to achieve an improved location-dependent removal of heat from the particularly hot portions of the piston (1). To this end, an encircling oil guiding ring (3) is placed inside the cooling duct (2) and, from the cooling oil inlet (5) to the cooling oil outlet (6), symmetrically divides the cooling duct (2) on the periphery thereof into sections (4) of different cooling duct volumes.

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