

Title (en)
PISTON FOR AN INTERNAL COMBUSTION ENGINE

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

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Abstract (en)
[origin: WO2010017808A2] The invention proposes a piston (10) for an internal combustion engine, having a piston crown (11), having a fire land (12), having an encircling ring section (13) which has annular grooves (14), and having a piston shank (15) which has two shank walls (16, 17) arranged on the pressure side (DS) and on the counterpressure side (GDS) and two box walls (18, 19) which connect the shank walls (16, 17) to one another, wherein the box walls (18, 19) are provided with pin hubs (21) which have hub bores (22), and wherein the shank wall (16) arranged on the pressure side (DS) is shorter, as viewed in the circumferential direction of the piston (10), than the shank wall (17) arranged on the counterpressure side (GDS). To reduce the loading of the piston, the pressure-side box walls (18) run rectilinearly and obliquely, wherein the spacing of the box walls (18) is greater in the region of the pin hubs (21) than in the region of the pressure-side shank wall (16).

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