

Title (en)  
STEEL PISTON FOR INTERNAL COMBUSTION ENGINES

Title (de)  
STAHLKOLBEN FÜR VERBRENNUNGSMOTOREN

Title (fr)  
PISTON EN ACIER POUR MOTEURS À COMBUSTION INTERNE

Publication  
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Application  
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Abstract (en)  
[origin: WO2011038823A1] The invention relates to a steel piston, comprising a piston upper part (12) having a combustion recess (11) and an annular wall (5), as well as a piston lower part (13) having a piston skirt or piston barrel and connecting rod bearing (8) for internal combustion engines having crankcases made of light metal alloys, wherein at least the piston lower part consists of a steel alloy comprising a thermal expansion coefficient in the range of 13 to 20 \* 10<sup>-6</sup> 1/K.

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Citation (search report)  
See references of WO 2011038823A1

Citation (examination)  
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• "ASM ready reference: thermal properties of metals (#06702G)", 1 January 2002, ASM INTERNATIONAL, US, ISBN: 978-0-87170-768-0, article FRAN CVERNA: "Passage Chapter 2: Thermal Expansion", pages: i-vi, 9 - 16, XP055233442  
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