

Title (en)
PISTON FOR A PISTON MACHINE

Title (de)
KOLBEN FÜR EINE KOLBENMASCHINE

Title (fr)
PISTON POUR UN MOTEUR À PISTON

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Application
EP 15700590 A 20150119

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Abstract (en)
[origin: WO2015110379A1] The invention relates to a piston (10) for a piston machine. The piston (10) consists of a steel or a lightweight metal alloy (15) in some regions and comprises a layer stack (20) arranged on a piston base (11) of the piston (10). The layer stack (20) comprises at least one first layer (21) which directly or indirectly adjoins a surface of the piston base (11) and which comprises a heat-damping material and a second layer (22) which directly or indirectly adjoins the first layer (21) and which contains a heat-conducting material. According to the invention, the diameter (dS) of the layer stack (20) is smaller than the diameter (dK) of the piston base (11). The invention further relates to a piston machine comprising a piston according to the invention.

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Citation (search report)
See references of WO 2015110379A1

Citation (examination)
• EP 2436898 A1 20120404 - MAZDA MOTOR [JP]
• JP 2012246802 A 20121213 - ART METAL MFG CO LTD
• DE 69313456 T2 19980402 - UNITED TECHNOLOGIES CORP [US]

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