

Title (en)

PISTON FOR A COMBUSTION ENGINE AND METHOD FOR PRODUCING SAME

Title (de)

KOLBEN FÜR EINEN VERBRENNUNGSMOTOR SOWIE VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

PISTON POUR UN MOTEUR À COMBUSTION INTERNE ET PROCÉDÉ DE FABRICATION

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Application

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Abstract (en)

[origin: US2012222645A1] The present invention relates to a piston (10, 110, 210) for an internal combustion engine, having a piston base body (11, 111, 211) and a piston ring element (12, 112, 212), whereby the piston base body (11, 111, 211) has at least an inner region (14) of a piston crown (13) as well as a piston skirt (16), which is provided with pin bosses (18) having pin bores (17), whereby the piston ring element (12, 112, 212) has at least an outer region (21) of a piston crown (13) having a circumferential top land (22), and a circumferential ring belt (23) provided with ring grooves (24). According to the invention, it is provided that piston base body (11, 111, 211) and piston ring element (12, 112, 212) are joined together by way of corresponding, conical joining surfaces (32, 33, 27, 28; 135, 136; 232, 233, 227, 228) configured on them. The present invention furthermore relates to a method for the production of such a piston.

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