

Title (en)

PISTON FOR INTERNAL COMBUSTION ENGINES, PRODUCED BY MEANS OF A MULTI-ORBITAL FRICTION WELDING METHOD

Title (de)

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Title (fr)

PISTON POUR MOTEURS À COMBUSTION INTERNE, FABRIQUÉ GRÂCE À UN PROCÉDÉ MULTI-ORBITAL DE SOUDURE PAR FRICTION

Publication

EP 2254723 A1 20101201 (DE)

Application

EP 09713945 A 20090130

Priority

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Abstract (en)

[origin: WO2009106200A1] The invention relates to a method for producing a piston (1) of an internal combustion engine, designed as a one-piece cooling channel piston. The piston (1) comprises an upper part (2) and a lower part (3) supported by corresponding circumferential joining bosses (11, 12) together forming a joining zone (4). In order to produce a bonded joint of the upper part (2) and the lower part (3), the joining bosses (11, 12) are connected by means of multiorbital friction welding in the region of a rotationally symmetrical or rotationally asymmetrical joining zone (4).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2009106200A1

Citation (examination)

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