

Title (en)

METHOD FOR FIXING AN ANNULAR ELEMENT ON A PISTON FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM BEFESTIGEN EINES RINGELEMENTES AUF EINEM KOLBEN FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

PROCÉDÉ DE FIXATION D'UN ÉLÉMENT ANNULAIRE SUR UN PISTON POUR UN MOTEUR À COMBUSTION INTERNE

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Application

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Abstract (en)

[origin: WO2009079989A2] The invention relates to a method for fixing an annular element (6) on a piston (1) for an internal combustion engine. According to said method: the annular element (6) is screwed onto the piston base body (4) by means of a thread (5) that is on the radial outer surface of part (23) of the piston base (9); a continuous groove (24) that is open at the top is formed in the piston base (9) in the region of the thread (5); the groove (24) is filled with solder material (26); the piston (1) is heated until the solder material (26) liquefies and flows through the thread pitch of the thread (5); the piston (1) is subsequently cooled. This produces a secure screw connection between the piston base body (4) and the annular element (6). In addition, the cooling channel (14) is sealed against the high-pressure combustion gases that act on the piston base (9).

IPC 8 full level

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