

Title (en)

METHOD FOR MANUFACTURING A PISTON RING FOR INTERNAL COMBUSTION ENGINES, AND A PISTON RING OF THIS TYPE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES KOLBENRINGS FÜR VERBRENNUNGSMOTOREN SOWIE EINEN DERARTIGEN KOLBENRING

Title (fr)

PROCEDE POUR FABRIQUER UN SEGMENT DE PISTON POUR MOTEUR A COMBUSTION INTERNE ET SEGMENT DE PISTON DE CE TYPE

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Application

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Abstract (en)

[origin: WO2007025533A1] The present invention relates to a method for manufacturing a piston ring (10) for internal combustion engines, having the following method steps: - machining of a metal strip (20), with the result that it acquires at least one beveled face (15, 16) which represents at least one part of a ring flank of the piston ring (10) which is to be manufactured, - formation of a piston ring (10) from the metal strip (20) which has been machined in this way and the surface of which forms an inner and an outer circumferential face (11, 12) and an upper and a lower ring flank, - hardening of the surface of the piston ring (10). Furthermore, the present invention relates to a piston ring (10) for internal combustion engines, the surface of which forms an inner and an outer circumferential face (11, 12) and an upper and a lower ring flank, wherein the surface is provided with a uniformly thick hardened layer (21).

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