

Title (en)

METHOD FOR MANUFACTURING A PISTON OF AN INTERNAL COMBUSTION ENGINE, COMPRISING AN IMPROVED ALUMINUM SILICON ALLOY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES KOLBENS EINER BRENNKRAFTMASCHINE, BESTEHEND AUS EINER VERBESSERTEM ALUMINIUMSILIZIUM-LEGIERUNG

Title (fr)

PROCÉDÉ DE FABRICATION D'UN PISTON POUR UN MOTEUR À COMBUSTION INTERNE COMPOSÉ D'UN ALLIAGE D'ALUMINIUM-SILICIUM ÉVOLUÉ

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Application

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Abstract (en)

[origin: WO2010025919A2] The invention relates to a method for manufacturing a piston of an internal combustion engine, wherein a piston blank is cast from an aluminum silicon alloy while adding copper proportions and thereafter is finished, wherein according to the invention the copper proportion is a maximum of 5.5% of the aluminum silicon alloy, and proportions of titanium (Ti), zirconium (Zr), chromium (Cr), and/or vanadium (V) are added to the aluminum silicon alloy.

IPC 8 full level

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