

Title (en)

METHOD FOR PRODUCING CYLINDER LINERS FOR INSERT CASTING USE OF A MOTOR BLOCK

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ZYLINDERLAUFBUCHSEN ZUM EINGIESSEN IN EINEN MOTORBLOCK

Title (fr)

PROCÉDÉ DE FABRICATION DES CHEMISES DE CYLINDRE DESTINÉ À ÊTRE COULÉ DANS UN BLOC MOTEUR

Publication

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Application

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Abstract (en)

[origin: WO2009068132A1] The invention relates to a motor block having molded cylinder sleeves comprising a plurality of material layers with different levels of stability and wear resistance, having at least one inner layer forming a path and at least one layer disposed on the outside thereof forming the sleeve body, wherein the sleeve body is made of a high-strength aluminum alloy or an aluminum alloy reinforced by reinforcing means and the path is formed by a low-friction Al-Si alloy. The invention further relates to a production method for cylinder sleeves, particularly by centrifugal casting of an Al alloy with Si particles such that the Si particles accumulate in the inner region to form a low-friction Al-Si alloy and deplete in the outer region to form a solid aluminum alloy.

IPC 8 full level

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