

Title (en)

A PROCESS FOR PRODUCING A METAL-MATRIX COMPOSITE OF SIGNIFICANT CTE BETWEEN THE HARD BASE-METAL AND THE SOFT MATRIX

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES METALLMATRIXVERBUNDSTOFFS MIT HERVORRAGENDEM WÄRMEAUSDEHNUNGSKOEFFIZIENTEN ZWISCHEN DEM HARTEN BASISMETALL UND DER WEICHEN MATRIX

Title (fr)

PROCÉDÉ POUR LA PRODUCTION D'UN COMPOSITE MÉTAL-MATRICE DE DIFFÉRENCE SIGNIFICATIVE DE COEFFICIENT DE DILATATION THERMIQUE ENTRE LE MÉTAL DE BASE DUR ET LA MATRICE MOLLE

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Application

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Abstract (en)

[origin: WO2011021923A1] The present invention relates to a process for producing a metal-matrix composite of significant ?CTE between the hard base-metal and the soft matrix. The process includes the steps of sintering, pressing and enforced infiltration of the metal-matrix composite compact acting wherein the process is driven by differential thermal expansion coefficients between shell and core materials.

IPC 8 full level

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