

Title (en)

IMPROVED METHOD FOR PREPARING METAL-MATRIX COMPOSITE AND DEVICE FOR IMPLEMENTING SAID METHOD

Title (de)

VERBESSERTES VERFAHREN ZUR HERSTELLUNG EINES METALLMATRIXVERBUNDSTOFFES UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

"PROCEDE AMELIORE DE PREPARATION DE COMPOSITES A MATRICE METALLIQUE ET DISPOSITIF DE MISE EN UVRE D'UN TEL PROCEDE"

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006097622A2] The invention mainly concerns a method for preparing metal-matrix composites including at least steps of cold-process isostatic compaction of previously mixed powders (5) and of hot-process uniaxial pressing of the compact (12) resulting from the previous step. The inventive method enables metal-matrix composites with improved properties to be obtained. The invention also concerns a device for implementing in particular the isostatic compaction step comprising a latex sheath (1) wherein the mixture of powders (5) is poured, a perforated cylindrical container (2) wherein is arranged the latex sheath (1), and means (7, 10, 11) for sealed insulation of the mixture of powders (2) contained in the sheath (1).

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