

Title (en)
PROCESS FOR MAKING PREFORMS

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Application
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DE 3810851 A 19880330

Abstract (en)
[origin: EP0335193A2] The invention relates to a process for the production of mouldings and structural elements, in which the substrate and a layer sprayed thereon are bonded to one another by the high-temperature isostatic moulding process and layers more than 5 mm thick are sprayed onto the substrate at a temperature of at least 600 DEG C by means of plasma spraying at a chamber pressure of 140 - 180 mbar, which is adjusted to at least 10<-><2> mbar after evacuation of the chamber , and the layer is bonded to the substrate diffusively and without pores by the high-temperature isostatic moulding process at at least 500 DEG C and at least 500 bar. <IMAGE>

IPC 1-7
C23C 4/18; C23C 4/12

IPC 8 full level
C23C 4/18 (2006.01)

CPC (source: EP)
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Citation (search report)

- [A] GB 2154614 A 19850911 - H I P, et al
- [A] EP 0023733 A1 19810211 - SKF IND TRADING & DEV [NL]
- [A] EP 0223104 A1 19870527 - DEUTSCHE FORSCH LUFT RAUMFAHRT [DE]
- [A] EP 0237780 A2 19870923 - REIMBOLD & STRICK [DE]
- [A] GB 2002420 A 19790221 - HOWMET TURBINE COMPONENTS
- [A] DE 2328441 A1 19741219 - MUELLENBERG ARNOLD
- [A] US 4339271 A 19820713 - ISAKSSON SVEN-ERIK, et al
- [A] PATENT ABSTRACTS OF JAPAN, Band 8, Nr. 41 (C-211)[1478], 22. Februar 1984; & JP-A-58 199 855 (KUROKI KOGYOSHO K.K.) 21-11-1983

Cited by
CN100353260C; EP1541705A3; EP0576366A1; FR2691477A1; WO9923272A1

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