

Title (en)
METHOD AND DEVICE FOR MANUFACTURING A DUAL-MATERIAL TURBINE ENGINE DISC AND DISC PRODUCED USING SAID METHOD

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER ZWEIMATERIALTURBINENMOTORSCHIEBE UND MIT DIESEM VERFAHREN HERGESTELLTE SCHEIBE

Title (fr)
PROCÉDÉ ET DISPOSITIF DE FABRICATION D'UN DISQUE DE TURBOMACHINE BI-MATIÈRE ET DISQUE OBTENU PAR CE PROCÉDÉ

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Application
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Abstract (en)
[origin: WO2022112684A1] One aspect of the invention relates to a method for manufacturing a dual-material turbine engine disc, comprising the following operations: providing a rough bore made of a first material, mounting the rough bore about an axis of rotation of a rotating device, rotating the rough bore, spraying a second material under solidification conditions, thereby generating a column-like or monocrystalline microstructure, which is different from the first material, on an outer surface of the rough bore in order to produce a dual-material part, and machining the dual-material part to produce a turbine engine disc. A second aspect of the invention relates to a device for implementing said method. A third aspect of the invention relates to a turbine engine disc produced using said method.

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Citation (search report)
See references of WO 2022112684A1

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