

Title (en)  
IMPROVED METHOD FOR MANUFACTURING A SHELL MOLD FOR PRODUCTION BY LOST-WAX CASTING OF BLADED ELEMENTS OF AN AIRCRAFT TURBINE ENGINE

Title (de)  
VERBESSERTES VERFAHREN ZUR HERSTELLUNG EINER SCHALENFORM ZUR HERSTELLUNG VON BESCHAUFELTEN ELEMENTEN EINES FLUGZEUGTURBINENMOTORS DURCH WACHAUSSCHMELZEN

Title (fr)  
PROCÉDÉ AMÉLIORÉ DE FABRICATION D'UNE CARAPACE, POUR LA RÉALISATION PAR MOULAGE À CIRE PERDUE D'ÉLÉMENTS AUBAGÉS DE TURBOMACHINE D'AÉRONEF

Publication  
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Application  
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Priority  
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• FR 2015051769 W 20150629

Abstract (en)  
[origin: WO2016005674A1] The invention relates to a method for manufacturing a shell mold for the production by lost-wax casting of bladed elements (1) of an aircraft turbine engine, including the following steps: a) creating an assembly (200) including a wax pattern (100) as well as a device for forming a cup for pouring metal (32b) and having an end surface (40a); b) depositing a hot wax coating layer on at least one portion of the end surface (40a); c) forming the shell mold around the assembly (200). In addition, the method includes, between steps b) and c), the implementation of a step of structuring the coating layer intended for reinforcing the adhesion between said layer (46) and the shell mold, and including the production of recesses (62) and projections (60) on the still-malleable coating layer.

IPC 8 full level  
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