

Title (en)
METHOD FOR ADDITIVE MANUFACTURING OF TURBOMACHINERY PARTS

Title (de)
VERFAHREN ZUR GENERATIVEN FERTIGUNG VON TURBOMASCHINENTEILEN

Title (fr)
PROCÉDÉ DE FABRICATION ADDITIVE DE PIÈCES DE TURBOMACHINE

Publication
EP 4366897 A1 20240515 (FR)

Application
EP 22741341 A 20220614

Priority
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• FR 2022051143 W 20220614

Abstract (en)
[origin: WO2023281176A1] The present document relates to a method (200) for additive manufacturing of a turbomachinery part, said part having a primary axis and at least one inclined portion extending in a secondary direction forming a non-zero angle with the primary axis, comprising the steps of: a) for each inclined portion: a1) providing (202) a target roughness of an outer surface of said inclined portion, a2) providing (202) a mechanical lowering of said inclined portion, a3) determining (204) a maximum roughness of the outer surface of said inclined portion depending on the mechanical lowering of said inclined portion; b) determining (206) an overall maximum roughness depending on the maximum roughness of the outer surface of each inclined portion; c) determining (208), depending on the overall maximum roughness, an orientation of the primary axis of the part to be manufactured with respect to a plane of a manufacturing platen of an additive manufacturing device; and d) producing (212) the part by additive manufacturing.

IPC 8 full level
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