

Title (en)
METHOD AND APPARATUS FOR THE ADDITIVE MANUFACTURING OF A WORKPIECE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ADDITIVEN HERSTELLUNG EINES WERKSTÜCKS

Title (fr)
PROCÉDÉ ET APPAREIL DE FABRICATION ADDITIVE D'UNE PIÈCE À TRAVAILLER

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Application
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Priority

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- EP 2021070751 W 20210723

Abstract (en)
[origin: WO2022037899A1] The invention relates to a method for the additive production of a workpiece (14), wherein a material layer (18) having a defined surface is formed from a particulate material (20). At least one image of the material layer (18) is recorded by a camera (40) in order to determine individual properties (110) of the material layer (18). According to the individual properties of the material layer (18), the particulate material (20) is selectively solidified using a structuring tool (28). The at least one image of the material layer (18) is inspected using a previously trained statistical learning model (112). At least one defect vector (100) is determined which represents a plurality of individual defect probabilities (102a, 102b). Each individual defect probability of the plurality of individual defect probabilities (102a, 102b) is an individual indicator for whether a defined layer defect of a plurality of possible layer defects is present in the material layer (18).

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Citation (search report)
See references of WO 2022037899A1

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