

Title (en)

METHOD AND DEVICE FOR THE ADDITIVE PRODUCTION OF A COMPONENT AND COMPONENT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ADDITIVEN HERSTELLEN EINES BAUTEILS SOWIE BAUTEIL

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FABRICATION ADDITIVE D'UNE PIÈCE AINSI QUE PIÈCE

Publication

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Application

EP 18815530 A 20181121

Priority

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Abstract (en)

[origin: WO2019120847A1] The invention relates to a method for the additive production of a component, wherein a plurality of layers made in particular of a powder-like material is provided in succession and each material layer is scanned by an energy beam according to a specified component geometry, wherein a component section (1) already produced and/or the respective material layer provided and/or of a work platform (4) on which the component is constructed is additionally heated, wherein, for at least one material layer, the temperature distribution on the surface on which the material layer is provided and/or the temperature distribution on the surface of the layer provided is measured and, during the scanning process of the material layer, the energy quantity introduced by the energy beam (7) is varied as a function of the temperature distribution detected on the surface on which the layer is provided, and/or as a function of the temperature distribution detected on the surface of the layer. The invention furthermore relates to a device for the additive production of a component and a component.

IPC 8 full level

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DOCDB simple family (application)

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