

Title (en)

ADDITIVE PRODUCTION DEVICE AND ASSOCIATED ADDITIVE PRODUCTION METHOD

Title (de)

ADDITIVE HERSTELLVORRICHTUNG UND ZUGEORDNETES ADDITIVES HERSTELLVERFAHREN

Title (fr)

DISPOSITIF DE FABRICATION ADDITIVE ET PROCÉDÉ DE FABRICATION ADDITIVE ASSOCIÉ

Publication

**EP 3826824 A1 20210602 (DE)**

Application

**EP 19755339 A 20190813**

Priority

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- EP 2019071731 W 20190813

Abstract (en)

[origin: WO2020035496A1] The invention relates to an additive production device for producing a three-dimensional object, comprising a layer application device (16) for applying a building material layer to layer, an energy input device (20) which comprises a carbon monoxide laser (21) and a radiation supply device for supplying laser radiation of the carbon monoxide laser to points in each layer which are associated with the cross-section of the object in said layer, and a laser power modification device (27) which, in the event of an increase in laser power, is suitable to cause an increase in the power impinging on the building material per unit of area within a period of time, which is less than 300 µs and/or greater than 50 ns, and/or, in the event of a reduction in laser power, to cause a drop in the power impinging on the building material per unit of area within a period of time, which is less than 100 µs and/or greater than 100 ns.

IPC 8 full level

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Citation (search report)

See references of WO 2020035496A1

Designated contracting state (EPC)

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