

Title (en)

METHOD FOR ADDITIVELY MANUFACTURING THREE-DIMENSIONAL COMPONENTS AND CORRESPONDING DEVICE

Title (de)

VERFAHREN ZUR ADDITIVEN FERTIGUNG DREIDIMENSIONALER BAUTEILE SOWIE ENTSPRECHENDE VORRICHTUNG

Title (fr)

PROCÉDÉ DE PRODUCTION ADDITIVE DE COMPOSANTS TRIDIMENSIONNELS, ET DISPOSITIF CORRESPONDANT

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Application

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Abstract (en)

[origin: WO2020234446A1] The invention relates to a method for additively manufacturing three-dimensional components via the layer-by-layer application of a construction material and locally selective solidifying of the construction material using at least one beam (15) impinging the construction material and following a feed direction (12), wherein an irradiation path (10) of the impinging beam deviates from a, in particular straight, feed centre line M during the feed movement, wherein at least one line P parallel to M or corresponding with M is successively crossed over by the irradiation path (10) at three points P1, P2, P3, such that the following applies: P2 is further forward in the feed direction than P1 and P3 lies between P1 and P2, at a distance p1 from P1 and a distance p2 from P2, wherein $p2/p1 \geq 2.0$, preferably $p2/p1 \geq 3.5$.

IPC 8 full level

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