

Title (en)  
ADDITIVE MANUFACTURING METHOD AND DEVICE

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR ADDITIVEN FERTIGUNG

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE FABRICATION ADDITIVE

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Application  
**EP 21754910 A 20210628**

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Abstract (en)  
[origin: WO2021259428A1] The invention relates to an additive manufacturing method in which a component (10, 42, 43, 44, 45) is produced in layers using an energy beam (8, 41, 58) which solidifies a starting material (4) and is irradiated by energy beam irradiating means (9, 22, 31, 38, 39, 55, 59, 61) while the starting material (4) is held by a base surface (3, 15, 30, 36, 52) arranged on a base element (2, 16, 29, 35, 51). While the starting material (4) is being irradiated with the energy beam (8, 41, 58), the base element (2, 16, 29, 35, 51) is moved by a rotational component which has a base element rotational axis, wherein the starting material (4) is held on the base surface (3, 15, 30, 36, 52) by a centrifugal acceleration generated by the rotational component. The invention is characterized in that a rotational movement is produced for at least some of the energy beam irradiating means (9, 22, 31, 38, 39, 55, 59, 61). Analogously, at least one energy beam rotational axis (46) is proposed for rotating at least some of the energy beam irradiating means (9, 22, 31, 38, 39, 55, 59, 61) in an additive manufacturing device in which the starting material (4) is held on a base surface (3, 15, 30, 36, 52) by a centrifugal acceleration.

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