

Title (en)

IRRADIATION STRATEGY IN ADDITIVE MANUFACTURING WITH PULSED IRRADIATION

Title (de)

BESTRAHLUNGSSTRATEGIE IN DER ADDITIVEN HERSTELLUNG MIT GEPULSTER BESTRAHLUNG

Title (fr)

STRATÉGIE D'ÉMISSION EN FABRICATION ADDITIVE À ÉMISSION PULSÉE

Publication

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Application

EP 21824486 A 20211124

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Abstract (en)

[origin: WO2022135817A1] The invention relates to a method for powder-bed-based additive manufacturing of a component (10), comprising setting irradiation vectors (Vh, Vc) for a layer (L) to be irradiated for the component (10), wherein: irradiation vectors (Vh, Vc) are irradiated below a length of 1 mm in a pulsed irradiation operation (pw); and a pulse frequency below 3 kHz and a scan speed below 250 mm/a are selected. The invention also relates to a correspondingly manufactured component, to an associated method for providing manufacturing instructions, and to an associated computer program product.

IPC 8 full level

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