

Title (en)

CAMERA-BASED DETERMINING OF ROUGHNESS FOR ADDITIVELY MANUFACTURED COMPONENTS

Title (de)

KAMERABASIERTE RAUHEITSBESTIMMUNG FÜR GENERATIV HERGESTELLTE BAUTEILE

Title (fr)

DÉTERMINATION AU MOYEN D'UNE CAMÉRA DE LA RUGOSITÉ DE COMPOSANTS FABRIQUÉS DE MANIÈRE GÉNÉRATIVE

Publication

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Application

EP 15744471 A 20150520

Priority

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Abstract (en)

[origin: WO2016015695A1] The invention relates to a method and a device for the additive manufacturing of components by the layer-by-layer joining of powder particles to one another and/or to an already created pre-product or substrate, via the selective interaction of the powder particles with a high-energy beam (13) to create a layer, wherein a formed layer (14) is captured using a camera (6), wherein a contour of the deposited layer (14) is determined from an image of the deposited layer captured by the camera (6), and wherein the roughness of the surfaces of the formed components is determined from the contour.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2016015695A1

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