

Title (en)

METHOD AND DEVICE FOR DETERMINING A DISTANCE IN AN ADDITIVE MANUFACTURING DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ABSTANDERMITTLUNG IN EINER ADDITIVEN HERSTELLVORRICHTUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉTERMINATION D'UNE DISTANCE DANS UN DISPOSITIF DE FABRICATION ADDITIVE

Publication

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Application

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Abstract (en)

[origin: WO2021170448A1] The invention relates to a method for determining a distance in an additive manufacturing device (1), comprising at least the following steps: outputting (S1) a number of, preferably a plurality of, directed, preferably bundled, beams, in particular light beams (32, 32a, 32b), by means of a number of radiation sources (30, 30a, 30b); detecting (S2) at least one of the directed beams from a first radiation source (30, 30a, 30b) by means of a first detector (33, 33a, 33b) and generating (S3) a signal according to the at least one beam (32, 32a, 32b) impinging on the at least one detector (33, 33a, 33b) wherein a coating element (16a) is arranged spatially between the first radiation source (30, 30a, 30b) and the first detector (33, 33a, 33b); and determining (S4) a distance (d) between a boundary (18) of the coating element (16a) and a surface (19) of a construction base (11, 12) and/or of an object placed on the construction base (11, 12) by means of an evaluation unit (34) on the basis of the signal generated by the detector.

IPC 8 full level

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