Title (en)
METHOD FOR CALIBRATING A SENSOR FOR MONITORING A MELT POOL IN AN ADDITIVE MANUFACTURING MACHINE

Title (de)
VERFAHREN ZUR KALIBRIERUNG EINES SENSORS ZUR ÜBERWACHUNG EINES SCHMELZBADES IN EINER MASCHINE ZUR GENERATIVEN FERTIGUNG

Title (fr)
PROCÉDÉ DE CALIBRATION D'UN CAPTEUR DE SURVEILLANCE D'UN BAIN DE FUSION DANS UNE MACHINE DE FABRICATION ADDITIVE

Publication
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Abstract (en)
[origin: WO2023285752A1] The invention relates to a method for calibrating a sensor for monitoring a melt pool belonging to a system for monitoring a melt pool of an additive manufacturing machine, the method comprising at least the following steps: - measuring and recording the value of the signal transmitted by the monitoring sensor when it is not exposed to a reference radiation, - exposing the monitoring sensor to the reference radiation, - measuring and recording the value of the signal transmitted by this monitoring sensor when it is exposed to the reference radiation, - calculating a correction coefficient for this monitoring sensor from a reference value associated with the reference radiation and the values of the signal transmitted by this monitoring sensor when it is not subjected to the reference radiation and when it is subjected to the reference radiation, - recording, in a correction table, the correction coefficient specific to this monitoring sensor and the value of the signal transmitted by the monitoring sensor when it is not exposed to a reference radiation.

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