

Title (en)

METHOD FOR CHARACTERIZING A PART THROUGH NON-DESTRUCTIVE INSPECTION

Title (de)

VERFAHREN ZUR CHARAKTERISIERUNG EINES TEILS DURCH ZERSTÖRUNGSFREIE PRÜFUNG

Title (fr)

PROCÉDÉ DE CARACTÉRISATION D'UNE PIÈCE PAR CONTRÔLE NON DESTRUCTIF

Publication

EP 4200603 A1 20230628 (FR)

Application

EP 21756011 A 20210819

Priority

- FR 2008564 A 20200819
- EP 2021073061 W 20210819

Abstract (en)

[origin: WO2022038233A1] A method for characterizing a part (10), comprising: a) performing measurements using a sensor (11), the sensor being arranged on the part or facing the part; b) forming at least one measurement matrix (M) using the measurements taken in step a); c) using the matrix as input datum for a convolutional neural network (CNN2), comprising: - an extraction block (A1), configured so as to extract features from each input datum; - a classification block (B2), configured so as to classify the extracted features, the classification block leading onto at least one node; d) detecting the presence of a defect in the part on the basis of each node. The neural network implemented in step c) is established taking into account the extraction block of another previously parameterized neural network.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2022038233A1

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