

Title (en)

METHOD AND SYSTEM FOR THE COMPUTER-AIDED MANUFACTURING OF A THREE-DIMENSIONAL PART

Title (de)

VERFAHREN UND SYSTEM ZUR RECHNERGESTÜTZTEN HERSTELLUNG EINES DREIDIMENSIONALEN TEILS

Title (fr)

PROCÉDÉ ET SYSTÈME DE FABRICATION ASSISTÉE PAR ORDINATEUR DE PIÈCE TRIDIMENSIONNELLE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020161304A1] The invention concerns a method and system for the computer-aided manufacturing (2) of a three-dimensional part by a manufacturing device, and an associated method and system for complete or partial remanufacturing (4), using at least one predetermined manufacturing material and using a set of manufacturing data. The manufacturing system (2) comprises modules (14, 18, 22, 6) configured to implement, during or at the end of the manufacturing of a three-dimensional part: - a calculation of a piece of remanufacturing information associated with the three-dimensional part and comprising or allowing access to the set of data for manufacturing said three-dimensional part, - an inscription on the surface or in the body of said three-dimensional part, by a predetermined marking method, of a remanufacturing mark coding said remanufacturing information. The remanufacturing system comprises modules (32, 36, 40, 46, 48) configured to implement a reading of the remanufacturing mark, obtaining a set of manufacturing data of the initial three dimensional part, and a full or partial remanufacturing of a three-dimensional part mechanically identical to the initial three-dimensional part.

IPC 8 full level

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WO 2020161304 A1 20200813; CN 113412484 A 20210917; CN 113454630 A 20210928; EP 3921758 A1 20211215; EP 3921977 A1 20211215; FR 3092682 A1 20200814; FR 3092682 B1 20220225; US 2022121173 A1 20220421; US 2022187802 A1 20220616; WO 2020161514 A1 20200813

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