

Title (en)

METHOD FOR DEFINING A MOTION PATH OF AN ADDITIVE OR SUBTRACTIVE TOOL, METHOD FOR THE MATERIAL-REMOVING MACHINING OF A WORKPIECE BY MEANS OF A LASER BEAM, AND SYSTEM THEREFOR

Title (de)

VERFAHREN ZUR FESTLEGUNG EINER BEWEGUNGSBAHN EINES ADDITIV ODER SUBTRAKTIV WIRKENDEN WERKZEUGS, VERFAHREN ZUR ABTRAGENDEN BEARBEITUNG EINES WERKSTÜCKS MITTELS LASERSTRAHL SOWIE ANLAGE HIERFÜR

Title (fr)

PROCÉDÉ DE DÉTERMINATION D'UNE TRAJECTOIRE DE DÉPLACEMENT D'UN OUTIL À ACTION ADDITIVE OU SOUSTRACTIVE, PROCÉDÉ D'USINAGE PAR ENLÈVEMENT D'UNE PIÈCE À USINER AU MOYEN D'UN RAYON LASER AINSI QU'INSTALLATION ASSOCIÉE

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Abstract (en)

[origin: WO2020173954A2] The invention relates to the field of workpiece machining and workpiece construction. The invention relates in particular to a method for defining a motion path (90, 190, 290) of an additive or subtractive tool or a laser beam used as a tool. For this purpose, the method defines a motion path (90, 190, 290) that comprises, in at least one subregion (80, 180, 280) on the machining plane (22), a hatching of straight path segments that are parallel to one another, which path segments are angled by a hatching direction (A, B, C) relative to a reference direction (33). The method according to the invention is used to define said hatching angles (A, B, C) using a Radon transform.

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