

Title (en)

METHOD OF GRINDING A WORKPIECE HAVING A CYLINDRICAL BEARING SURFACE AND METHOD FOR DETERMINING PROCESSING PARAMETERS

Title (de)

VERFAHREN ZUM SCHLEIFEN EINES WERKSTÜCKS MIT EINER ZYLINDERLAGERFLÄCHE SOWIE VERFAHREN ZUR BESTIMMUNG VON VERARBEITUNGSPARAMETERN

Title (fr)

PROCÉDÉ DE MEULAGE D'UNE PIÈCE AYANT UNE SURFACE DE PALIER CYLINDRIQUE ET PROCÉDÉ DE DÉTERMINATION DE PARAMÈTRES DE TRAITEMENT

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3115149A1] A method for grinding a workpiece by means of a grinding wheel is disclosed. The workpiece comprises a cylindrical bearing surface (3), a radially extending sidewall (4) extending outward from the cylindrical bearing surface, and a curved transition portion (5) connecting the cylindrical bearing surface with the sidewall. During grinding, the feed in an increment is selected so as to achieve a pre-set maximum surface temperature of the workpiece at a point of the grinding wheel resulting in the highest surface temperature of the workpiece. Furthermore, a method for determining processing parameters for such a grinding method is disclosed.

IPC 8 full level

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