

Title (en)

GRINDING ROBOT FOR GRINDING ELECTRICALLY CONDUCTIVE WORKPIECES, AND METHOD FOR OPERATING SAME

Title (de)

SCHLEIFROBOTER ZUM SCHLEIFEN ELEKTRISCH LEITFÄHIGER WERKSTÜCKE UND VERFAHREN ZUM BETRIEB EINES SOLCHEN

Title (fr)

ROBOT DE MEULAGE POUR MEULER DES PIÈCES ÉLECTRIQUEMENT CONDUCTRICES ET PROCÉDÉ POUR SON FONCTIONNEMENT

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Application

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Abstract (en)

[origin: WO2018133984A1] The invention relates to a grinding robot for grinding an electrically conductive workpiece (6), comprising a grinding wheel (5), a unit for actuating the grinding wheel (5), and a controller, wherein the grinding wheel (5) has an undulating tool receptacle (3), which defines an axis of rotation about which the grinding wheel can rotate during grinding, and a head (1) which is rotationally symmetrical with respect to the axis of rotation, contains abrasive material and has a grinding face which is in contact with the workpiece during grinding, wherein the grinding wheel comprises a measurement and transmission unit (2) and at least one conductor strand pair with two conductor strands (10, 11) that are electrically insulated from one another, wherein the conductor strands (10, 11) are embedded in the rotationally symmetrical head (1) and extend from the grinding face of the head (1) into the interior of the head (1) and are electrically connected to the measurement and transmission unit (2) there.

IPC 8 full level

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