

Title (en)

AXIAL FLUX MACHINE FOR AN ELECTRICAL PROCESSING DEVICE AND ELECTRICAL PROCESSING DEVICE WITH AN AXIAL FLUX MACHINE

Title (de)

AXIALFLUSSMASCHINE FÜR EIN ELEKTRISCHES BEARBEITUNGSGERÄT SOWIE ELEKTRISCHES BEARBEITUNGSGERÄT MIT EINER AXIALFLUSSMASCHINE

Title (fr)

MACHINE À FLUX AXIAL DESTINÉE À UN DISPOSITIF DE TRAITEMENT ÉLECTRIQUE ET DISPOSITIF DE TRAITEMENT ÉLECTRIQUE DOTÉ D'UNE MACHINE À FLUX AXIAL

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2021083784A1] The invention relates to an axial flux machine (10), in particular a single-sided axial flux motor, for an electrical machining device (34), having a machine shaft (12), in particular a motor shaft, a disc-shaped stator (20) and a disc-shaped rotor (14) arranged adjacent to the stator (20) in the axial direction (A) of the machine shaft (12), wherein the stator (20) is formed as a winding carrier (22) for at least one stator winding (24) and the rotor (14), which is connected to the machine shaft (12) in a rotationally fixed manner, can be set in a rotational movement relative to the stator (20). According to the invention, the stator (20) comprises a plurality of stator teeth (44) and a first stator yoke (26), wherein the stator teeth (44) and the first stator yoke (26) are permanently connected to each other by laser welding. The invention also relates to an electrical processing device (34) with an axial flux machine (10).

IPC 8 full level

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Citation (search report)

See references of WO 2021083784A1

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