

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

**EP 20796550 A 20201021**

Priority

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Abstract (en)

[origin: WO2021083760A1] 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) which is adjacent to the stator (20) in the axial direction (A) of the machine shaft (12), the stator (20) being designed as a winding carrier (22) for at least one stator winding (24), and the rotor (14), which is connected fixedly in terms of rotation to the machine shaft (12), being capable of being set in a rotary movement relative to the stator (20). According to the invention, the stator (20) of the axial flux machine (10) consists of a combination of composite materials, in particular fibre-plastic composites, and soft magnetic iron. The invention also relates to an electrical processing device (34) with an axial flux machine (10).

IPC 8 full level

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