

Title (en)

DEVICE AND SYSTEM FOR SUPPLYING A MACHINE TOOL WITH ELECTRIC ENERGY, AND USE OF THE DEVICE FOR THIS PURPOSE

Title (de)

VORRICHTUNG UND SYSTEM ZUR VERSORGUNG EINER WERKZEUGMASCHINE MIT ELEKTRISCHER ENERGIE, SOWIE VERWENDUNG DER VORRICHTUNG DAZU

Title (fr)

DISPOSITIF ET SYSTÈME D'ALIMENTATION D'UNE MACHINE-OUTIL EN ÉNERGIE ÉLECTRIQUE, ET UTILISATION DU DISPOSITIF À CET EFFET

Publication

**EP 4297934 A1 20240103 (DE)**

Application

**EP 21819763 A 20211123**

Priority

- EP 21159607 A 20210226
- EP 2021082650 W 20211123

Abstract (en)

[origin: WO2022179721A1] The invention relates to a device for supplying a machine tool with electric energy. The device can be used for example to connect the machine tool to an energy network such that the device can perform the function of a power adapter. The device according to the invention comprises a first component for converting an alternating voltage into a direct voltage and a second component which is designed to convert the direct voltage generated by the first component into a device direct voltage. Another aspect of the invention relates to a system which comprises the aforementioned device and a machine tool, wherein the machine tool is supplied with electric energy using the device. The invention additionally relates to the use of the proposed device for supplying a machine tool with electric energy. Advantageously, particularly high power densities can be achieved, and power outputs of more than 1,700 Watt can be provided.

IPC 8 full level

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