

Title (en)

ELECTRIC DISK MOTOR FOR DRIVING A WHEEL RIM

Title (de)

ELEKTRISCHER SCHEIBENMOTOR ZUM ANTREIBEN EINER FELGE

Title (fr)

MOTEUR ÉLECTRIQUE PLAT POUR ENTRAÎNER UNE JANTE

Publication

EP 4229743 A1 20230823 (DE)

Application

EP 21790891 A 20211013

Priority

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- EP 2021078284 W 20211013

Abstract (en)

[origin: WO2022079088A1] The invention relates to a disk motor. The disk motor comprises a stator and a rotor. Electromagnets of the stator have a curved design and act simultaneously on two permanent magnets of the rotor, which are disposed at an angle to each other. The rotor has a rotor disk having a plurality of permanent magnets. Moreover, the inner side of a tube section additionally has a plurality of permanent magnets at the periphery of the rotor disk. The basic form allows the production of disk motors having internal rotors and external rotors.

IPC 8 full level

H02K 21/22 (2006.01); **B60L 1/00** (2006.01); **H02K 1/14** (2006.01); **H02K 1/27** (2022.01); **H02K 7/08** (2006.01); **H02K 7/102** (2006.01); **H02K 7/18** (2006.01); **H02K 9/04** (2006.01); **H02K 16/00** (2006.01); **H02K 16/04** (2006.01); **H02K 21/24** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2022079088A1

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