

Title (en)

BRUSH SYSTEM FOR AN ELECTRIC MOTOR

Title (de)

BÜRSTENSYSTEM FÜR EINEN ELEKTROMOTOR

Title (fr)

SYSTÈMES DE BALAIS POUR MOTEUR ÉLECTRIQUE

Publication

**EP 4233155 A1 20230830 (DE)**

Application

**EP 21830637 A 20211206**

Priority

- DE 102020216308 A 20201218
- EP 2021084319 W 20211206

Abstract (en)

[origin: WO2022128555A1] The invention relates to a brush system (1) of a commutator motor (19) comprising: - at least one carbon brush (4) having a contact surface (4a) facing a commutator (3), a bearing surface (4b) opposite this contact surface, and a connection line (7); - a brush shaft (5) receiving the carbon brush (4), which shaft has a longitudinal shaft slot (9) via which the connection line (7) is guided; and - a spring element (6) which exerts a spring force on the carbon brush (4) in its working position (PA) in the longitudinal direction (L) of the shaft, wherein the carbon brush (4) is clamped in the brush shaft (5) in a pre-assembly position (PV) by means of the spring element (6) or by means of a elastically bending spring arm (13).

IPC 8 full level

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