Title (en)

ELECTRIC ACTUATOR

Title (de)

ELEKTRISCHER STELLANTRIEB

Title (fr)

ACTIONNEUR ÉLECTRIQUE

Publication

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Application

EP 21714157 A 20210325

Priority

- FR 2003381 A 20200403
- EP 2021057687 W 20210325

Abstract (en)

[origin: WO2021197995A1] The invention relates to an electric actuator comprising: - a stator assembly that is formed by a pack of metal sheets surrounded by windings and at least one connector, which is over-moulded with a material having a thermal conductivity greater than that of air, - a magnetised rotor assembly, - an electronic circuit which comprises the electronic power components for supplying the stator windings, - an at least partially metal casing through which an output of a drive shaft extends, the over-moulded stator assembly (30) coming into thermal contact with the casing, the electronic circuit being in contact with the over-moulded stator assembly, the over-moulded stator assembly having a housing for a first guiding bearing of the axle of the rotor, and having: - the casing forms a metal end plate, through which the output axle configured to receive the assembly formed by the electronic circuit attached to the over-moulded stator assembly extends, - the electronic power components of the electronic circuit being in direct or indirect thermal contact with the internal wall of the casing, - the electronic circuit being in thermal contact with the over-moulded stator assembly.

IPC 8 full level

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CPC (source: EP)

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