

Title (en)

METHOD FOR STARTING A ROTOR OF A CLAW POLE MOTOR

Title (de)

VERFAHREN ZUM ANLAUFEN EINES ROTORS EINES KLAUENPOLMOTORS

Title (fr)

PROCÉDÉ DE DÉMARRAGE D'UN ROTOR D'UN MOTEUR À PÔLES À GRIFFES

Publication

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Application

EP 22721648 A 20220331

Priority

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Abstract (en)

[origin: WO2022228623A1] The invention relates to a method for starting a rotor of a single-phase claw pole motor, said claw pole motor comprising a permanent-magnet rotor which has a plurality of locking positions and performs a movement in a running direction during operation at nominal value, further comprising an electronically commutated stator, and a Hall effect sensor for determining the relative rotor position, the method involving the following steps: a. starting the rotor using at least one commutation of a stator winding on the basis of a Hall effect sensor signal; b. generating multiple commutations by means of a pulse-width-modulated phase voltage on the basis of a Hall effect sensor signal, the Hall effect sensor being mounted on the stator or on an electronics circuit board and being offset in the rotational direction in relation to a central position of a stator pole.

IPC 8 full level

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