

Title (en)

METHOD FOR PRODUCING A ROTOR FOR A PERMANENT-MAGNET SYNCHRONOUS MOTOR

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ROTORS FÜR EINEN PERMANENTERREGTEN SYNCHRONMOTOR

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ROTOR POUR UN MOTEUR SYNCHRONE À EXCITATION PERMANENTE

Publication

**EP 3078098 A1 20161012 (DE)**

Application

**EP 15732281 A 20150701**

Priority

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- EP 2015064934 W 20150701

Abstract (en)

[origin: WO2016001277A1] The invention describes a method for producing a rotor for a permanent-magnet synchronous motor. Packs of sheet-metal elements are provided between the individual permanent magnets, said packs of sheet-metal elements being produced from thin sheet-metal elements which are connected to one another and are arranged one above the other. The sheet-metal elements have a radially outer soft-iron core section and a central ring which are connected to one another by means of connecting webs. The sheet-metal elements are provided with a number of connecting webs which is smaller than the number of soft-iron core sections. All of the sheet-metal elements have an identical sectional geometry, wherein, after a sheet metal element is stamped out, the stamping device is rotated through an angle which corresponds to 360°/number of soft-iron core sections. This method can be executed in a particularly simple manner for a rotor design which is particularly expedient for electric motors.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2016001277A1

Citation (examination)

- DE 102007024406 A1 20081127 - BOSCH GMBH ROBERT [DE]
- DE 102009001035 A1 20100826 - BOSCH GMBH ROBERT [DE]

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