

Title (en)

TRANSLATION MOTOR AND METHOD FOR PRODUCING A STATOR OF A TRANSLATION MOTOR OF THIS TYPE

Title (de)

TRANSLATIONSMOTOR UND VERFAHREN ZUR HERSTELLUNG EINES STATORS EINES SOLCHEN TRANSLATIONSMOTORS

Title (fr)

MOTEUR DE TRANSLATION ET PROCÉDÉ DE FABRICATION D'UN STATOR D'UN TEL MOTEUR DE TRANSLATION

Publication

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Application

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Abstract (en)

[origin: WO2021037293A1] The invention relates to a translation motor, comprising an active translatable rotor (1) and a flat stator (2), wherein: the active translatable rotor (1) can be moved linearly with respect to an X-axis in a stator plane (3); the flat stator (2) has an upper face (4) and a lower face (5); the upper face (4) has a toothed structure (8), which is arranged linearly with respect to the X-axis and is formed by stator teeth (9) and stator tooth spaces (10); the flat stator (2) is formed from a stamped planar stator material, comprising a die side (6), which is a raised side, and a punch side (7), which is a recessed side; the die side (6) has elevations, which form the stator teeth (9); the die side (6) forms the upper face (4) and the punch side (7) forms the lower face (5). The invention further relates to a method for producing a stator of a translation motor of this type by stamping a stator starting material to form a stator material shaped by stamping.

IPC 8 full level

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