

Title (en)

PRODUCTION METHOD FOR PRODUCING A STATOR FOR A SYNCHRONOUS OR ASYNCHRONOUS MACHINE

Title (de)

HERSTELLUNGSVERFAHREN ZUR HERSTELLUNG EINES STATORS FÜR EINE SYNCHRON- ODER ASYNCHRONMASCHINE

Title (fr)

PROCÉDÉ DE FABRICATION D'UN STATOR POUR UNE MACHINE SYNCHRONE OU ASYNCHRONE

Publication

**EP 3446397 A1 20190227 (DE)**

Application

**EP 17715942 A 20170407**

Priority

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- EP 2017058331 W 20170407

Abstract (en)

[origin: WO2017182291A1] The invention relates to a method for producing a stator provided for a synchronous or asynchronous machine having a two-layer winding, wherein the method comprises the following steps: arranging a stator body, which defines an axis of rotation for a rotor to be inserted as required into the stator, said axis of rotation extending in the longitudinal direction of the stator body, wherein the stator body has a plurality of grooves extending in the longitudinal direction; providing a plurality of coils through which a current for generating a rotating field flows when the stator is used as required; and drawing the coils into the grooves in such a way that in each case coil sides of at least two coils extend in the grooves and form the two-layer winding in that the coil sides which are radially outside with respect to the axis of rotation form a lower layer of the two-layer winding, and the coil sides which are radially inside with respect to the axis of rotation form an upper layer of the two-layer winding; wherein the coils are drawn into the grooves in such a way that the coil sides of each of the coils exclusively form either the lower layer or the upper layer.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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