

Title (en)

STATOR FOR AN ELECTRIC MACHINE AND METHOD FOR PRODUCING A STATOR FOR AN ELECTRIC MACHINE

Title (de)

STATOR FÜR EINE ELEKTRISCHE MASCHINE UND VERFAHREN ZUR HERSTELLUNG EINES STATORS FÜR EINE ELEKTRISCHE MASCHINE

Title (fr)

STATOR POUR UNE MACHINE ÉLECTRIQUE ET PROCÉDÉ DE FABRICATION D'UN STATOR POUR UNE MACHINE ÉLECTRIQUE

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Application

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Abstract (en)

[origin: WO2021219489A1] The invention relates to a stator (20) for an electric machine (21). The stator (20) comprises a stator core (22), at least two grooves (23) which are arranged in the stator core (22), an electric winding (24) which comprises at least two dimensionally stable electric conductors (25), and at least one wiring element (26) on at least one face of the stator core (22), wherein at least one of the conductors (25) is arranged in each groove (23), the wiring element (26) is electrically connected to at least one of the conductors (25), the wiring element (26) is mechanically connected to the stator core (22) via at least one of the conductors (25), each conductor (25) is mechanically fixed in the grooves (23), and the mechanical connection between the wiring element (26) and the stator core (22) is self-supporting via at least one of the conductors (25). The invention additionally relates to an electric machine (21) and a method for producing a stator (20) for an electric machine (21).

IPC 8 full level

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