

Title (en)
METHOD FOR MOUNTING A ROTOR OF AN ELECTRICAL MACHINE ON A GEARBOX, AND ELECTRIC DRIVE UNIT FOR A VEHICLE

Title (de)
VERFAHREN ZUR MONTAGE EINES ROTORS EINER ELEKTRISCHEN MASCHINE AN EINEM GETRIEBE UND EINE ELEKTRISCHE ANTRIEBSEINHEIT FÜR EIN FAHRZEUG

Title (fr)
PROCÉDÉ DE MONTAGE D'UN ROTOR D'UNE MACHINE ÉLECTRIQUE SUR UNE BOÎTE DE VITESSES ET UNITÉ D'ENTRAÎNEMENT ÉLECTRIQUE POUR UN VÉHICULE

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Abstract (en)
[origin: WO2022058085A1] The invention relates to a method for mounting a rotor (12) of an electrical machine on a gearbox (11) of an electric drive unit (10) and to an electric drive unit (10) for a vehicle, wherein the rotor (12) comprises a rotor shaft (14) having a holding portion (16) for holding an input pinion (18), the method comprising the steps of: - providing at least one sealing element (20) and at least one rolling bearing (22); - feeding the rotor shaft (14) through the sealing element (20) and through the rolling bearing (22) such that the holding portion (16) extends into the gearbox (11); - mounting the input pinion (18) on the holding portion (16) of the rotor shaft (14); and - joining the input pinion (18) to the rotor shaft (14) by means of a welding process.

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