

Title (en)

A PROCESS AND DEVICE FOR MOUNTING THE ROTOR OF AN ELECTRIC MOTOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MONTAGE DES ROTORS EINES ELEKTROMOTORS

Title (fr)

PROCEDE ET DISPOSITIF DE MONTAGE DU ROTOR D'UN MOTEUR ELECTRIQUE

Publication

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Application

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Abstract (en)

[origin: WO0005802A1] A process and device for mounting the rotor of an electric motor, comprising a stator (70) affixed inside a motor housing (60), and a rotor (50) affixed to a crankshaft (30) journaled to a supporting block (10), said assembly being achieved by a control unit (120) commanding the radial displacements of an upper end of the crankshaft (30) having a lower end journaled to a lower bearing (80) mounted to the motor housing (60), each radial displacement being limited by a respective contact condition of the rotor (50) to a respective and adjacent portion of the stator (70), which condition is identified and registered, in order to allow the calculation of the center of the circumference which contains the contact conditions and the posterior displacement of the upper end of the crankshaft (30), until its geometric center is aligned with the calculated geometric center of said circumference.

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