

Title (en)
CONNECTION OF A ROTOR SHAFT TO A LAMINATED CORE

Title (de)
VERBINDUNG ROTORWELLE ZU BLECHPAKET

Title (fr)
LIAISON D'UN ARBRE DE ROTOR À UN NOYAU STRATIFIÉ

Publication
EP 4070438 A1 20221012 (DE)

Application
EP 20808430 A 20201124

Priority
• EP 19213514 A 20191204
• EP 2020083160 W 20201124

Abstract (en)
[origin: WO2021110471A1] The invention relates to a rotor for an electric motor, comprising a rotor shaft and a rotor core which is attached to the rotor shaft and comprises a number of core sheets arranged along the axis of the rotor core. Each core sheet contains a central opening through which the rotor shaft passes and which has a contour including at least two elevations extending radially and at least two recesses positioned between the elevations. In order to form a press fit of the core sheets on the rotor shaft, the distance between the free ends of the elevations is smaller than the diameter of the rotor shaft, and a channel extending over the periphery of the rotor shaft is formed by the recess of each of the core sheets arranged one behind the other.

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CPC (source: CN EP US)
H02K 1/148 (2013.01 - US); **H02K 1/28** (2013.01 - CN EP US); **H02K 7/003** (2013.01 - US)

Citation (search report)
See references of WO 2021110471A1

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