

Title (en)

ELECTRIC MACHINE HAVING IN EACH CASE AT LEAST TWO CLAMPING PROTRUSIONS FOR ATTACHING A PERMANENT MAGNET

Title (de)

ELEKTRISCHE MASCHINE MIT JEWEILS ZUMINDEST ZWEI KLEMMNASEN ZUR BEFESTIGUNG EINES DAUERMAGNETEN

Title (fr)

MACHINE ÉLECTRIQUE COMPORTANT AU MOINS DEUX ERGOTS DE SERRAGE POUR FIXER UN AIMANT PERMANENT

Publication

**EP 3084925 A1 20161026 (DE)**

Application

**EP 14816162 A 20141208**

Priority

- DE 102013226379 A 20131218
- EP 2014076933 W 20141208

Abstract (en)

[origin: WO2015091075A1] The present invention relates to a spoke rotor for an electric machine, having a main body which extends concentrically around an axis of rotation and which has a plurality of pole shoes, between which permanent magnets are arranged in holders, wherein there is provided for each permanent magnet in its holder in each case at least one first clamping element and one second clamping element, which fixes said permanent magnet in the holder, wherein the first clamping element fixes the permanent magnet in a radial direction relative to the axis of rotation and the second clamping element fixes it in a tangential direction relative to the axis of rotation, and wherein in each case a movement clearance is provided for each second clamping element. The present invention also relates to a clamping lamella, in particular for such a spoke rotor. The present invention also relates to an electric machine comprising such a spoke rotor. The present invention also relates to a device, in particular a hand-held power tool, an adjustment drive for a motor vehicle, a power steering system, a servo motor, an electromechanical brake booster or a vehicle drive, comprising such an electric machine.

IPC 8 full level

**H02K 1/27** (2006.01)

CPC (source: EP)

**H02K 1/2773** (2013.01)

Citation (search report)

See references of WO 2015091075A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102013226379 A1 20150618**; CN 105830309 A 20160803; CN 105830309 B 20190621; EP 3084925 A1 20161026; WO 2015091075 A1 20150625

DOCDB simple family (application)

**DE 102013226379 A 20131218**; CN 201480069834 A 20141208; EP 14816162 A 20141208; EP 2014076933 W 20141208