

Title (en)

Electric machine, in particular starting device, and method for producing a support bearing assembly of an electric machine

Title (de)

Elektrische Maschine, insbesondere Startvorrichtung, sowie Verfahren zum Herstellen einer Stützlagereinrichtung einer elektrischen Maschine

Title (fr)

Machine électrique, notamment dispositif de démarrage, ainsi que procédé de fabrication d'un agencement de pièce de maintien d'une machine électrique

Publication

EP 2573382 A3 20171206 (DE)

Application

EP 12184842 A 20120918

Priority

DE 102011083263 A 20110923

Abstract (en)

[origin: EP2573382A2] The machine (10) has a stator (29), and a rotor (37) arranged radially in an inner side of the stator. A support bearing arrangement (66) is arranged on a rotating-axial side of the rotor. The arrangement causes bearing forces in radial and rotating-axial direction, and arranged in a bearing cover (60). The arrangement supports a drive shaft (44), and a screw element (91) is held in a retaining thread (94) of the bearing cover by a screw-in thread. The screw element causes radial bearing force and axial bearing force. A cavity i.e. blind hole, is formed in the screw element. An independent claim is also included for a method for manufacturing support bearing arrangement of an electrical machine.

IPC 8 full level

F02N 15/00 (2006.01)

CPC (source: EP)

F02N 15/00 (2013.01); **F02N 11/00** (2013.01); **F02N 15/006** (2013.01)

Citation (search report)

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- [X] GB 2016213 A 19790919 - RAU SWF AUTOZUBEHOER
- [YD] DE 3216448 A1 19831103 - BOSCH GMBH ROBERT [DE]
- [Y] EP 1645761 A2 20060412 - IMS GEAR GMBH [DE]

Cited by

CN103001379A; CN111911534A; DE102013207875A1; DE102013207875B4

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)

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DOCDB simple family (application)

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