

Title (en)

A WINDING METHOD FOR ELECTRICAL MACHINES

Title (de)

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Title (fr)

PROCÉDÉ D'ENROULEMENT POUR MACHINES ÉLECTRIQUES

Publication

EP 4055698 A4 20221221 (EN)

Application

EP 20900147 A 20201207

Priority

- TR 201919533 A 20191209
- TR 2020051239 W 20201207

Abstract (en)

[origin: WO2021118500A1] The present invention relates to machine windings that are important components of electrical machines. The invention characterized in that it is cut from a thin electrically conductive sheet (1) and has at least one bending point such as the lower bending point (5), the middle bending point (6) and the upper bending point (7), and that the bending angles are at least 90° and not more than 180°. Another characterization of the invention is that more than one electrical machine windings (9) are connected with the end winding connectors (17) from the end windings (13), and an electrical insulating material (16) is placed between two adjacent electrical machine windings (9) to provide electrical insulation therebetween, thus obtaining the multiple electrical machine winding (14). While this winding method of the invention provides ease of production for electrical machine windings, it can also increase the efficiency with short end winding (13) and satisfy high current requirements.

IPC 8 full level

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Citation (search report)

- [X] DE 112015001564 T5 20170216 - HONDA MOTOR CO LTD [JP]
- [X] DE 202005014302 U1 20051124 - EBM PAPST ST GEORGEN GMBH & CO [DE]
- [X] US 2016254718 A1 20160901 - WATANABE MASAKAZU [JP], et al
- See also references of WO 2021118500A1

Designated contracting state (EPC)

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