

Title (en)

POSITIONING DEVICE AND METHOD FOR POSITIONING WIRE ENDS DURING THE PRODUCTION OF AN ELECTRIC MACHINE

Title (de)

POSITIONIERVORRICHTUNG UND VERFAHREN ZUM POSITIONIEREN VON DRAHTENDEN BEI DER HERSTELLUNG EINER ELEKTRISCHEN MASCHINE

Title (fr)

DISPOSITIF DE POSITIONNEMENT ET PROCÉDÉ DE POSITIONNEMENT D'EXTRÉMITÉS DE FIL LORS DE LA PRODUCTION D'UNE MACHINE ÉLECTRIQUE

Publication

EP 4186151 A1 20230531 (DE)

Application

EP 21749598 A 20210726

Priority

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- EP 2021070898 W 20210726

Abstract (en)

[origin: WO2022018303A1] A positioning device (10; 50; 60) for positioning wire ends (14) during the production of an electric machine (12) has a positioning unit (13), which has an aligning element (22a) and a mating aligning element (22b) which are arranged above one another in two parallel planes (16, 18) and are movable relative to one another along a movement path (34), wherein they at least partly overlap or are able to overlap. The aligning element (22a) has at least one passage cutout (24a) and the mating aligning element (22b) has at least one mating passage cutout (24b), which are arranged and designed in such a way that a clear positioning passage (99) remains perpendicular to the two planes (16, 18) of the aligning element (22a) and the mating aligning element (22b), through which positioning passage the at least one wire end (14) can extend and the cross-sectional area of which can be changed by way of a movement of the aligning and the mating aligning elements (22a, 22b) with respect to one another. In order to cause as little damage as possible to the wire ends, the at least one passage cutout (24a) on the aligning element (22a) and the at least one mating passage cutout (24b) on the mating aligning element (22b) each have two straight edge sections (30a, 30b, 30c, 30d) which run at an oblique angle to the direction of the movement in the respective plane (16, 18).

IPC 8 full level

H02K 15/00 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2022018303A1

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