

Title (en)

PROCESS FOR MANUFACTURING A CURVED DISC-SHAPED MAGNET COIL, AND DEVICES FOR CARRYING OUT THIS PROCESS

Publication

EP 0185955 B1 19880525 (DE)

Application

EP 85115075 A 19851127

Priority

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Abstract (en)

[origin: US4694868A] A method for manufacturing a disc-shaped curved magnet coil, particularly for a system for accelerating and/or storing electrically charged particles such as electrons. The conductors of the coil to be made are to be arranged around a winding core having a convex outside and a concave inside and are then to be fixed in position around the winding core. A coil form or fitting piece of predetermined shape is first added to a winding core, so that a provisional winding body with only positive radii of curvature on its outsides is formed. The conductors are wound under tension around the winding body and subsequently are fastened only to the winding core of the winding body and, after the coil form is removed, the thus exposed conductor portions facing the region of the concave inside of the winding core are pressed against this inside and fixed in position.

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