

Title (en)

COOLED MANDREL FOR WINDING A STRIP PRODUCT

Title (de)

GEKÜHLTER HASPELDORN ZUM AUFWICKELN VON MATERIALBÄNDERN

Title (fr)

MANDRIN REFROIDI POUR L'ENROULEMENT D'UN PRODUIT EN BANDE

Publication

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Application

EP 03778444 A 20031023

Priority

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Abstract (en)

[origin: WO2004037456A1] The invention relates to a cooled mandrel for winding a strip product. The inventive mandrel comprises an assembly of adjacent segments (2) which are mounted to slide radially on a central shaft (1) and which are each equipped with a cooling circuit (24, 24'). The aforementioned cooling circuit comprises two holes, namely an inlet (75) and an outlet (75'), which are each connected by means of a variable-length connector (7, 7') to a heat transfer fluid-feed (5) or -discharge (5') conduit respectively. According to the invention, the connectors (7, 7') corresponding to each segment (2) are connected to a dispensing part (6) which is disposed on a lateral surface (13') of the shaft (1). Moreover, the above-mentioned supply (5) and discharge (5') conduits, which are disposed inside the central shaft (1), open transversely onto said lateral surface (13') of the shaft.

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