

Title (en)

A MANDREL ASSEMBLY FOR THICKENING BRIM PORTIONS IN AN INNER SURFACE OF A TUBE

Title (de)

DORNANORDNUNG ZUR VERDICKUNG VON RANDABSCHNITTEN IN EINER ROHRINNENFLÄCHE

Title (fr)

ENSEMBLE MANDRIN D'ÉPAISSISSEMENT DE PARTIES BORD DANS UNE SURFACE INTERNE D'UN TUBE

Publication

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Application

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Abstract (en)

[origin: WO2021186386A1] The present disclosure discloses a mandrel assembly (100) for thickening brim portion (202) in an inner surface (201) of a tube (200), particularly tubes that may be used in components of an automobile. The mandrel assembly (100) includes a central core element (1), which is configured to rigidly support a plurality of segments (2) on an outer surface to accommodate the tube (200) along its length. The plurality of segments (2), disposable between the central core element (1) and the inner surface (201) of the tube (200), at least one end of each of the plurality of segments (2) is defined with a forming region (3), wherein the brim portion (202) of the tube (200) is deformable along the forming region (3) of the plurality of segments (2). Since, the mandrel assembly (100) is detachable and the tube (200) can be thickened simultaneously from both the ends.

IPC 8 full level

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