

Title (en)

Method for covering a drum with an endless thin metal coating.

Title (de)

Verfahren zum Bespannen einer Trommel mit einem endlosen, dünnwandigen Metallmantel.

Title (fr)

Procédé pour recouvrir un tambour avec une enveloppe métallique sans fin à paroi mince.

Publication

EP 0199713 A2 19861029 (DE)

Application

EP 86890104 A 19860415

Priority

AT 111685 A 19850415

Abstract (en)

[origin: US4744503A] The process comprises unrolling a metal band onto the circumference of a drum, pressing the metal band continuously onto the drum until the metal band surrounds the drum and the ends of the metal band overlap, clamping the metal band to the drum with a plurality of clamping members or a clamping belt, heating the metal band and drum, and in this condition cutting the metal band to length for welding, and working, welding and finishing the ends and edges of the metal band to form a smooth surface on the circumference of the drum. The apparatus for performing the process of the invention comprises a pivotal support for mounting the drum rotatably on a horizontal axis, a groove in the circumference of the drum at the position where the welding occurs, a rail, preferably copper, with a recess for release of a cutting tool and for a weld seam held in the groove, a plurality of pairs of clamping members mounted on a shoulder rim of the drum attachable by screws to the band, and a clamping mechanism connected between each of the clamping members of the pairs of clamping members to provide longitudinal tension to the metal band. As an alternative to the clamping members and the clamping mechanism the apparatus is provided with a clamping belt and a clamping frame to clamp the metal band to the drum.

Abstract (de)

Die Erfindung hat die Aufgabe, eine bestehende rotierende Film-Gießtrommel (a) am Umfang mit einem dünnen Metallband (b) zu umspannen, ohne daß die Trommel ausgebaut werden muß. Dazu wird das Metallband (b) auf die Trommel (a) aufgerollt, abschnittsweise angedrückt und entweder stufenweise durch Spannvorrichtungen oder in einem mittels Spannbänder unter Zugspannung gesetzt, an den Enden zusammengeschweißt und nachgearbeitet.

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