

Title (en)

METHOD AND DEVICE FOR WINDING UP A STRIP

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUFWICKELN EINES BANDES

Title (fr)

PROCEDE ET INSTALLATION D'ENROULEMENT EN BOBINE D'UNE BANDE

Publication

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Application

**EP 05810808 A 20051012**

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Abstract (en)

[origin: WO2006040497A1] The invention relates to a method and device for rolling up a strip on a mandrel rotationally driven about the axis thereof by means of a rolling arrangement comprising a roller (3) for applying a strip (1) by the internal face (11) to the mandrel (2), means (62) for pushing the roller (3) to the mandrel (2) and a bending plate (4) whose curved surface (40) guides the strip (1) along the external face (20) of the mandrel (2). According to the invention, the application roller (3) is rotationally mounted on a movable supporting frame (6) which supports at least one hydraulic cylinder (62) in the form of pushing means producing a controllable clamping force for clamping the strip (1) between the mandrel and the application roller (3) and the supporting frame bears an additional roller (5) which is disposed immediately upstream of the application roller (3) and which supports the strip (1) taking into account a predictable folding effect (1) upstream of the application roller (3), wherein said application (3) and additional (5) rollers are rotatably driven in such a way they produces a friction drive force on the external (12) surface of the strip (1) in addition to the effect produced by mandrel on the internal surface (11) thereof.

IPC 8 full level

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