

Title (en)
TURRET WINDER MANDREL

Title (de)
SPINDEL FÜR REVOLVERHASPEL

Title (fr)
MANDRIN POUR BOBINEUSE A TOURELLE

Publication
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Application
EP 96916549 A 19960522

Priority
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Abstract (en)
[origin: WO9638367A1] A web winding apparatus (90) and a method of operating the apparatus are disclosed. The apparatus can include a turret assembly (200), a core loading apparatus (1000), and a core stripping apparatus (2000). The turret assembly (200) supports rotatably driven mandrels (300) for engaging hollow cores (302) upon which a paper web (50) is wound. Each mandrel (300) is driven in a closed mandrel path (320), which can be non-circular. The core loading apparatus (1000) conveys cores (302) onto the mandrels (300) during movement of the mandrels (300) along the core loading segment (322) of the closed mandrel path (320), and the core stripping apparatus (2000) removes each web wound core (302, 51) from its respective mandrel (300) during movement of the mandrel (200) along the core stripping segment (326) of the closed mandrel path (320). The turret assembly (200) can be rotated continuously, and the sheet count per wound log (51) can be changed as the turret assembly (200) is rotating. The apparatus (90) also includes a mandrel (300) having a deformable core engaging member (3100). The deformable core engaging member (3100) can be an elastic, polymeric ring (3110A, B) supported on the mandrel body (3000), which can be deformed from a first shape to a second shape for engaging the inner surface of a hollow core by means of a mandrel nose piece (3200) which is axially slidable on the mandrel body (3000) for axially compressing the deformable core engaging member (3100).

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