

Title (en)

Method and apparatus for coreless winding.

Title (de)

Verfahren und Apparat zum kernlosen Wickeln.

Title (fr)

Procédé et appareil pour le bobinage sans noyau.

Publication

EP 0618159 A2 19941005 (EN)

Application

EP 94102659 A 19940222

Priority

US 3829293 A 19930329

Abstract (en)

A method and apparatus for making a coreless convolutely wound web roll which has a hollow axially extending interior which includes prior to removing the log from a winding mandrel applying a stabilizing agent to the interior.

IPC 1-7

B65H 18/28; **B65H 19/22**

IPC 8 full level

A47K 10/16 (2006.01); **B65H 19/22** (2006.01); **B65H 19/28** (2006.01); **B65H 19/30** (2006.01)

CPC (source: EP)

B65H 19/2223 (2013.01); **B65H 19/28** (2013.01); **B65H 2301/41426** (2013.01); **B65H 2408/2312** (2013.01); **B65H 2408/23157** (2013.01)

Cited by

IT201900023415A1; US9809417B2; US6405969B1; WO0146051A1; US6595458B1; US6270034B1; US6412729B2; US6617007B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0618159 A2 19941005; AU 5760194 A 19941006; BR 9400635 A 19941011; CA 2115116 A1 19940930; JP 3386566 B2 20030317; JP H072395 A 19950106; ZA 94945 B 19940824

DOCDB simple family (application)

EP 94102659 A 19940222; AU 5760194 A 19940307; BR 9400635 A 19940222; CA 2115116 A 19940207; JP 8101994 A 19940328; ZA 94945 A 19940211