Title (en)

WEB WINDING DEVICE

Publication

EP 0391135 A3 19910306 (DE)

Application

EP 90105316 A 19900321

Priority

DE 3910991 A 19890405

Abstract (en)

[origin: EP0391135A2] The method for controlling the pressure-roller setting of a web winder, which has become known as step control, is to be improved to the effect that even thin webs can be wound onto the winder spindle without being damaged. For this purpose, the pressure rollers bring the web as near as possible to the winder spindle, but without exerting pressure forces on the winder spindle, or only the pressure roller which is last in the web feed direction presses the web against the winder spindle, whereas the remaining pressure rollers lay the web as near as possible to the winder spindle, without exerting pressure forces on the web and the winder spindle. The slip-free laying of the web against the winder spindle is achieved by position-controlled spreading of the spindle segments.

IPC 1-7

B65H 18/26

IPC 8 full level

B65H 19/28 (2006.01); **B21C 47/06** (2006.01); **B65H 18/26** (2006.01)

CPC (source: EP US)

B65H 18/26 (2013.01 - EP US); B65H 2301/41376 (2013.01 - EP US); B65H 2404/43 (2013.01 - EP US); B65H 2404/432 (2013.01 - EP US)

Citation (search report)

- [A] EP 0222231 A2 19870520 - SCHLOEMANN SIEMAG AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 155 (M-392)(1878) 29 Juni 1985; & JP-A-60 030 522 (HITACHI SEISAKUSHO) 16 Februar 1985

Cited by

CN110654913A; EP0963932A3; EP2829333A1; US6186438B1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0391135 A2 19901010; **EP 0391135 A3 19910306**; **EP 0391135 B1 19931124**; AT E97631 T1 19931215; DE 3910991 A1 19901011; DE 59003571 D1 19940105; ES 2047734 T3 19940301; JP 2789371 B2 19980820; JP H0323014 A 19910131; US 5149004 A 19920922

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EP 90105316 A 19900321; AT 90105316 T 19900321; DE 3910991 A 19890405; DE 59003571 T 19900321; ES 90105316 T 19900321; JP 8928390 A 19900405; US 82304992 A 19920116