

Title (en)
APPARATUS FOR CONTROLLING THE PRODUCTION OF PAPER ROLLS

Publication
EP 0326528 A3 19900704 (EN)

Application
EP 89830026 A 19890126

Priority
IT 931888 A 19880129

Abstract (en)
[origin: EP0326528A2] An apparatus for winding small rolls of paper from large rolls includes a counter (24) to measure the length of the web being wound, a presser (9) to sense and control the outer diameter of the small rolls (BS), means (16, 18) to detect and control the diameter of the small roll as it approaches the pre-determined desired diameter thereof, and an electronic logic control connected to the counter, the presser and the encoder whereby to ensure that the weight of paper and the outer diameter of the small rolls (BS) will always be within the pre-determined limits.

IPC 1-7
B65H 18/26; **B65H 18/02**; **B65H 26/08**; **B65H 26/06**

IPC 8 full level
B65H 18/02 (2006.01); **B65H 18/26** (2006.01); **B65H 23/195** (2006.01); **B65H 26/06** (2006.01); **B65H 19/22** (2006.01); **B65H 26/08** (2006.01)

CPC (source: EP KR)
B65H 18/20 (2013.01 - EP); **B65H 18/26** (2013.01 - EP KR); **B65H 26/06** (2013.01 - EP); **B65H 26/08** (2013.01 - EP);
B65H 2408/235 (2013.01 - EP); **B65H 2511/11** (2013.01 - EP)

C-Set (source: EP)
B65H 2511/11 + **B65H 2220/03**

Citation (search report)
• [Y] GB 2189907 A 19871104 - JAGENBERG AG
• [Y] GB 2087362 A 19820526 - MASSON SCOTT THRISSELL ENG LTD
• [Y] PATENT ABSTRACTS OF JAPAN vol. 8, no. 274 (M-345)(1711) 14 December 1984; & JP-A-59 143 837 (FUJI TEKKOSHO K.K.) 17 August 1984
• [Y] PATENT ABSTRACTS OF JAPAN vol. 7, no. 244 (M-252)(1389) 28 October 1983; & JP-A-58 130 853 (FUJITSU K.K.) 4 August 1983
• [Y] PATENT ABSTRACTS OF JAPAN vol. 10, no. 83 (M-466)(2140) 2 April 1986; & JP-A-60 223 761 (OKI DENKI KOGYO K.K.) 8 November 1985
• [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 253 (M-512)(2309) 29 August 1986; & JP-A-61 081 352 (RICOH CO LTD) 24 April 1986

Cited by
US5806785A; EP1094021A1; CN109969833A; US5538199A; CN1077079C; CN110550484A; US6360181B1; US6411920B1; US9809417B2;
WO9933008A3; WO9427901A1; US6378799B1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR LI LU NL SE

DOCDB simple family (publication)
EP 0326528 A2 19890802; **EP 0326528 A3 19900704**; **EP 0326528 B1 19940928**; AT E112233 T1 19941015; BR 8900345 A 19890919;
CA 1336201 C 19950704; DE 68918468 D1 19941103; DE 68918468 T2 19950223; ES 2060813 T3 19941201; IL 89081 A0 19890815;
IL 89081 A 19941229; IT 1222185 B 19900905; IT 8809318 A0 19880129; JP 2809417 B2 19981008; JP H01281248 A 19891113;
KR 890011767 A 19890822; KR 950001991 B1 19950308

DOCDB simple family (application)
EP 89830026 A 19890126; AT 89830026 T 19890126; BR 8900345 A 19890127; CA 589529 A 19890130; DE 68918468 T 19890126;
ES 89830026 T 19890126; IL 8908189 A 19890126; IT 931888 A 19880129; JP 1423189 A 19890125; KR 890000826 A 19890126