

Title (en)

Winding machine for winding or unwinding a material web

Title (de)

Wickelmaschine zum Auf- oder Abwickeln einer Materialbahn

Title (fr)

Machine pour l'enroulement ou le déroulement d'une bande de matière

Publication

EP 0791550 B1 20010627 (DE)

Application

EP 97101108 A 19970124

Priority

DE 19606755 A 19960223

Abstract (en)

[origin: EP0791550A2] The winding machine for paper has two roller drums one of which has a perforated mantle (10) enclosing a stationery pressure chamber connected to a supply of compressed air (31). The cavity between the winding-on upper roll of paper and the two winding support rollers is partially closed by a longitudinal seal (6). The seal around the cavity is completed by end-seals (34) at the support roller (8,9) and paper roll ends. Pressure chamber (15) longitudinal seals (21,22) create a pressure zone (9a) between the longitudinal seal and the point at which the winding roll (7) rests upon the supporting roller drum (9).

IPC 1-7

B65H 18/26; **B65H 18/20**

IPC 8 full level

B65H 18/20 (2006.01); **B65H 18/26** (2006.01); **B65H 27/00** (2006.01)

CPC (source: EP KR US)

B65H 18/00 (2013.01 - KR); **B65H 18/20** (2013.01 - EP US); **B65H 18/26** (2013.01 - EP US); **B65H 2301/414866** (2013.01 - EP US); **B65H 2403/942** (2013.01 - EP US); **B65H 2406/13** (2013.01 - EP US); **B65H 2406/131** (2013.01 - EP US); **B65H 2406/30** (2013.01 - EP US); **B65H 2408/2321** (2013.01 - EP US)

Cited by

CN106629177A; DE19848813A1; DE19848816A1; CN104229531A; DE19801599A1; EP0931743A3; US6311921B1; US6250581B1; US6325320B1

Designated contracting state (EPC)

AT DE ES FI FR IT SE

DOCDB simple family (publication)

EP 0791550 A2 19970827; **EP 0791550 A3 19980121**; **EP 0791550 B1 20010627**; AT E202536 T1 20010715; BR 9700284 A 19981027; CA 2197593 A1 19970824; CA 2197593 C 20010703; DE 19606755 A1 19970828; DE 59703879 D1 20010802; ES 2158380 T3 20010901; ID 16043 A 19970828; JP 2866072 B2 19990308; JP H09227001 A 19970902; KR 970061743 A 19970912; US 5823463 A 19981020

DOCDB simple family (application)

EP 97101108 A 19970124; AT 97101108 T 19970124; BR 9700284 A 19970221; CA 2197593 A 19970214; DE 19606755 A 19960223; DE 59703879 T 19970124; ES 97101108 T 19970124; ID 970557 A 19970224; JP 3540497 A 19970220; KR 19970005475 A 19970222; US 80481497 A 19970224