

Title (en)

Winding machine for winding a running paper web

Title (de)

Wickelmaschine zum Aufwickeln einer laufenden Papierbahn

Title (fr)

Machine d'enroulage pour enrouler une bande de papier en mouvement

Publication

EP 0665178 B2 20010829 (DE)

Application

EP 94119936 A 19941216

Priority

- DE 4402624 A 19940131
- DE 4419662 A 19940607

Abstract (en)

[origin: EP0665178A2] In the winding machine, for a running paper web, the mantle (2.2) of one (2) of the two carrier rollers (1, 2) is softer and more easily distorted than the mantle of other roller, which is harder. The upper peak point of the softer carrier roller (2) is higher than the peak point of the harder roller (1). The web (4) is led on a path, from below, between the two carrier rollers (1, 2), and then round the roller (2) with the softer mantle.

IPC 1-7

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

IPC 8 full level

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

CPC (source: EP US)

B65H 18/20 (2013.01 - EP US); **B65H 18/26** (2013.01 - EP US); **B65H 2401/10** (2013.01 - EP US); **B65H 2404/4214** (2013.01 - EP US); **B65H 2404/43** (2013.01 - EP US); **B65H 2406/13** (2013.01 - EP US); **B65H 2406/131** (2013.01 - EP US); **B65H 2408/2321** (2013.01 - EP US); **Y10S 242/908** (2013.01 - EP US)

Citation (opposition)

Opponent :

DE 9112927 U1 19911205

Cited by

US5839689A; EP1090842A1; US5996926A; EP0863097A3; EP0769464A3; US5848760A

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

EP 0665178 A2 19950802; **EP 0665178 A3 19960911**; **EP 0665178 B1 19980715**; **EP 0665178 B2 20010829**; AT E168351 T1 19980815; CA 2141467 A1 19950801; CA 2141467 C 20020820; ES 2119057 T3 19981001; ES 2119057 T5 20011216; FI 946001 A0 19941221; FI 946001 A 19950801; JP H08259057 A 19961008; NO 302287 B1 19980216; NO 950340 D0 19950130; NO 950340 L 19950801; US 5562261 A 19961008

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