

Title (en)

Winding device with a winding roll for material in web form

Title (de)

Wickelvorrichtung mit einer Wickelrolle für bahnförmiges Material

Title (fr)

Dispositif d'enroulage avec une bobine d'enroulage pour matériau en forme de bande

Publication

EP 0695708 A3 19970122 (DE)

Application

EP 95110989 A 19950713

Priority

DE 4427877 A 19940806

Abstract (en)

[origin: EP0695708A2] The roll (2) is esp. for paper and is supported at the underside to counteract sagging. A cushion of compressed air is generated between the support (5,6) and the roll. The support comprises one or more plates, whose surface largely matches the contour of the underside of the roll. The plate contains one or more compressed-air outlets (7), and the air can escape between it and the roll. The plate adjusts automatically in the radial direction of the roll dependent on the diameter of the latter, to match its contour. The plate can bend elastically under the action of an adjusting motor (6) with a hinge joint (8) to one of its lengthwise edges.

IPC 1-7

B65H 18/02

IPC 8 full level

B65H 18/26 (2006.01); **B65H 18/02** (2006.01)

CPC (source: EP US)

B65H 18/02 (2013.01 - EP US); **B65H 2406/11** (2013.01 - EP US); **B65H 2406/13** (2013.01 - EP US); **Y10S 242/908** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT DE FR GB IT NL SE

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EP 0695708 A2 19960207; EP 0695708 A3 19970122; EP 0695708 B1 19981014; AT E172168 T1 19981015; CA 2154503 A1 19960207; CA 2154503 C 19981103; DE 4427877 C1 19960314; DE 59503911 D1 19981119; FI 116894 B 20060331; FI 953689 A0 19950802; FI 953689 A 19960207; JP 2592589 B2 19970319; JP H0859034 A 19960305; US 5647555 A 19970715

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