

Title (en)

Pneumatically actuated controlling element, in particular for adjusting the transverse coating profile in apparatus for coating webs of paper or cardboard

Title (de)

Pneumatisch betätigbares Stellelement, insbesondere zur Regulierung des Querprofils in einer Beschichtungsvorrichtung für Papier- oder Kartonbahnen

Title (fr)

Éléments de réglage pneumatiques, utilisés notamment dans un dispositif de revêtement de bandes de papier ou de carton pour régler le profil transversal du revêtement

Publication

**EP 0920917 B1 20050810 (DE)**

Application

**EP 98118118 A 19980924**

Priority

DE 19753899 A 19971205

Abstract (en)

[origin: EP0920917A2] The pneumatic adjusting unit has a frame (1-3) containing two spring plates (4,5). The spring plates are secured to the frame (3) at one end and to a setting bolt (8) with a sliding movement at the other end. A compressed air cushion (7) is between the spring plates, linked to a compressed air supply. A spring (10) acts against a lateral deflection by the spring plates. The setting bolt (8) passes through a mounting (9), with a spring (10) at the end away from the spring plates to push the setting bolt (8) outwards. A low friction film is between the compressed air cushion (7) and the spring plates. A monitor registers the path movement of the setting bolt (8), and a monitor registers the deflection movements of the spring plates (4,5) at right angles to the setting direction. An Independent claim is included for a web coating device with a doctor blade as the dosing unit for the web coating, with a support bar under its point with a pneumatic setting unit. Or the setting unit is at the lower lip of a slit jet coating applicator.

IPC 1-7

**B05C 5/02**; B05C 11/04; D21H 25/08; D21H 23/34

IPC 8 full level

**B05C 5/02** (2006.01); **B05C 11/04** (2006.01); **D21H 23/34** (2006.01); **D21H 25/08** (2006.01)

CPC (source: EP US)

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Cited by

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