

Title (en)

Device for guiding a paper web on a band

Title (de)

Vorrichtung zur Führung einer Papierbahn auf einem Band

Title (fr)

Dispositif pour guider une bande de papier sur un ruban

Publication

EP 0839745 B1 20000405 (DE)

Application

EP 97115572 A 19970909

Priority

DE 19643814 A 19961030

Abstract (en)

[origin: EP0839745A2] The guide comprises foils with air flow diverting surfaces (16,18) positioned on to the side of the web (14) being transported by the felt (12). The boundary layer of air entrained by the web on the opposite side to the felt is forced through the gap between the foils and the web, creating a build-up of pressure at the entrance to the gap that urges the web downwards onto the felt. Preferably the foils are positioned on both sides of the web at an angle pointing towards the centre of the web in the machine direction (24). Foils on the opposite side of the felt strip entrain air away from the felt, creating a vacuum that sucks the web against the felt.

IPC 1-7

B65H 20/10; **B65H 20/06**

IPC 8 full level

B65H 20/06 (2006.01); **B65H 20/10** (2006.01)

CPC (source: EP US)

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EP 0839745 A2 19980506; **EP 0839745 A3 19981209**; **EP 0839745 B1 20000405**; AT E191427 T1 20000415; DE 19643814 A1 19980507; DE 59701395 D1 20000511; US 6010128 A 20000104

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