

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 A3 19981209 (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)

**B65H 20/10** (2013.01 - EP US)

Citation (search report)

- [E] WO 9738163 A1 19971016 - VOITH SULZER PAPIERMASCH GMBH [DE], et al
- [A] DE 3524006 A1 19860206 - VALMET OY [FI]
- [A] DE 2602606 A1 19770728 - SCHLOEMANN SIEMAG AG

Cited by

DE10050848A1; US6290817B1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**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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