

Title (en)  
Web guiding cylinder.

Title (de)  
Zylinder zur Führung laufender Warenbahnen.

Title (fr)  
Cylindre de guidage de bandes.

Publication  
**EP 0394637 B1 19940907 (DE)**

Application  
**EP 90103508 A 19900223**

Priority  
DE 3913292 A 19890422

Abstract (en)  
[origin: EP0394637A2] The hollow cylinder 2 has an inner body 3 whose part-cylinder surface 12, which is arranged centrally with respect to the hollow cylinder 2 and made with a smaller radius than the inner radius of the latter, forms a sickle-shaped space in which a vacuum is generated upon rotation of the hollow cylinder 2. Air is thereby extracted through the bores 11 of the hollow cylinder from the region in which a web encompasses the hollow cylinder 2. This results in a firmer adhesion of the web on the hollow cylinder 2. <IMAGE>

IPC 1-7  
**B65H 23/24**

IPC 8 full level  
**D21F 3/10** (2006.01); **B60J 5/04** (2006.01); **B65H 23/24** (2006.01); **D21G 9/00** (2006.01)

CPC (source: EP US)  
**B65H 23/24** (2013.01 - EP US)

Designated contracting state (EPC)  
AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0394637 A2 19901031; EP 0394637 A3 19920102; EP 0394637 B1 19940907**; AT E111050 T1 19940915; BR 9001909 A 19910730; CA 2015207 A1 19901022; DE 3913292 A1 19901025; DE 59007025 D1 19941013; ES 2057207 T3 19941016; FI 901736 A0 19900405; JP H02293490 A 19901204; US 5059286 A 19911022; US 5104489 A 19920414

DOCDB simple family (application)  
**EP 90103508 A 19900223**; AT 90103508 T 19900223; BR 9001909 A 19900420; CA 2015207 A 19900423; DE 3913292 A 19890422; DE 59007025 T 19900223; ES 90103508 T 19900223; FI 901736 A 19900405; JP 10632590 A 19900420; US 51359590 A 19900423; US 70152091 A 19910516