

Title (en)  
DEVICE FOR THE SUSPENDED GUIDANCE OF SHEETS OR WEBS

Title (de)  
VORRICHTUNG ZUM SCHWEBENDEN FÜHREN VON BOGEN ODER BAHNEN

Title (fr)  
DISPOSITIF DE GUIDAGE EN SUSPENSION DE FEUILLES ET DE BANDES

Publication  
**EP 0749398 A1 19961227 (DE)**

Application  
**EP 95910426 A 19950301**

Priority  
• DE 9500262 W 19950301  
• DE 4406847 A 19940303

Abstract (en)  
[origin: US5803448A] PCT No. PCT/DE95/00262 Sec. 371 Date Aug. 30, 1996 Sec. 102(e) Date Aug. 30, 1996 PCT Filed Mar. 1, 1995 PCT Pub. No. WO95/23755 PCT Pub. Date Sep. 8, 1995 Sheets or a web of material are suspended and guided by a plurality of nozzles that direct air out from a closed guidance surface. The nozzles are arranged in a central stabilizing zone and two tightening zones. The air delivered in these zones is directed generally opposite to the conveying direction of the sheets or web and away from a longitudinal axis of symmetry of the closed guidance surface.

IPC 1-7  
**B65H 23/24**; **B41F 21/00**; **B26B 13/10**

IPC 8 full level  
**B26B 13/10** (2006.01); **B41F 21/00** (2006.01); **B65H 5/22** (2006.01); **B65H 5/38** (2006.01); **B65H 23/02** (2006.01); **B65H 23/022** (2006.01); **B65H 23/24** (2006.01); **F26B 13/20** (2006.01)

CPC (source: EP US)  
**B41F 21/00** (2013.01 - EP US); **B65H 5/228** (2013.01 - EP US); **B65H 23/02** (2013.01 - EP US); **B65H 23/24** (2013.01 - EP US); **F26B 13/104** (2013.01 - EP US); **B65H 2406/111** (2013.01 - EP US); **B65H 2406/112** (2013.01 - EP US); **B65H 2515/50** (2013.01 - EP US)

Cited by  
DE10332213B3

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**US 5803448 A 19980908**; DE 4406847 A1 19950907; DE 4406847 C2 19970710; DE 59500777 D1 19971113; EP 0749398 A1 19961227; EP 0749398 B1 19971008; JP 2659865 B2 19970930; JP H09501903 A 19970225; WO 9523755 A2 19950908; WO 9523755 A3 19950928

DOCDB simple family (application)  
**US 69684996 A 19960830**; DE 4406847 A 19940303; DE 59500777 T 19950301; DE 9500262 W 19950301; EP 95910426 A 19950301; JP 52263095 A 19950301