

Title (en)  
Sheet transport apparatus.

Title (de)  
Bogenfördervorrichtung.

Title (fr)  
Appareil pour le transport de feuilles.

Publication  
**EP 0048826 A1 19820407 (EN)**

Application  
**EP 81106708 A 19810828**

Priority  
US 19158280 A 19800929

Abstract (en)  
A low inertia rotary drum (12) supports flexible sheets of different sizes for transport and processing. A plurality of sets of grooves is disposed on the surface of the drum. The grooves are configured in spaced rows and columns along the longitudinal and circumferential dimension of the drum. A plurality of holes (120) form unvalved communicating ports in the slots. The holes interconnect the interior of the drum with the surface. The number of holes varies circumferentially and longitudinally. A vacuum having a low vacuum, high flow blower (28) is coupled to the interior of the drum. Sheets are loaded onto the drum so that a minimum number of holes are vented to the atmosphere, and unloaded by movable fingers which enter circumferential grooves (48).

IPC 1-7  
**B65H 5/22**; **B65H 17/30**; **B65H 29/24**

IPC 8 full level  
**B65H 1/02** (2006.01); **B65H 3/10** (2006.01); **B65H 5/12** (2006.01); **B65H 5/22** (2006.01); **B65H 20/12** (2006.01); **B65H 29/24** (2006.01)

CPC (source: EP)  
**B65H 5/226** (2013.01); **B65H 20/12** (2013.01); **B65H 29/243** (2013.01)

Citation (search report)  
• FR 2393749 A1 19790105 - FRANCOIS NORBERT [FR]  
• GB 2006168 A 19790502 - RU CROSFIELD LTD DE  
• US 3545746 A 19701208 - LEDGER HOWARD ROBERTS, et al  
• IBM TECHNICAL DISCLOSURE BULLETIN, Vol. 19, No. 5, October 1976, GLOWA et al: "Vacuum Transport Drum", pages 1645-1646

Cited by  
EP0201109A1; US5088717A; EP0313088A3; EP0342749A1; US4973991A

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0048826 A1 19820407**; **EP 0048826 B1 19840222**; CA 1164900 A 19840403; DE 3162381 D1 19840329; JP H0122177 B2 19890425; JP S5762131 A 19820415

DOCDB simple family (application)  
**EP 81106708 A 19810828**; CA 381192 A 19810706; DE 3162381 T 19810828; JP 10715481 A 19810710