Title (en)

Device for conveying sheets.

Title (de)

Vorrichtung zum Fördern von Druckbogen.

Title (fr)

Dispositif pour convoyer des feuilles.

Publication

EP 0453790 B1 19931110 (DE)

Application

EP 91104706 A 19910326

Priority

DE 4012948 A 19900424

Abstract (en)

[origin: EP0453790A1] Conveying tables for overlapping sheet transport between a feeding device and a printing machine are known, which work with suction air acting through suction bands. The underpressure created in a suction chamber must not, however, fasten, by suction, the printed sheet on the conveying table via spurious air flowing through side regions. <??>The suction bands 6 are let into the conveying table 3. At the side of the guide grooves 10, ventilation openings 11, 12 are provided, which are connected to the environment separately from the suction chamber. To this end, ventilation ducts are provided, which unite the ventilation openings 11, 12. The perforation in the suction band 6 can be made in the form of slots 14 which are arranged in a mutually offset manner and leave free support regions on the edge and in the centre 16 of the band. <??>Spurious air caused by band expansion is avoided. The printed sheets are held uniformly on both sides and guided across the conveying table without distortion. <IMAGE>

IPC 1-7

B65H 5/22

IPC 8 full level

B41F 21/00 (2006.01); **B41J 13/00** (2006.01); **B65H 5/02** (2006.01); **B65H 5/22** (2006.01)

CPC (source: EP US)

B65H 5/24 (2013.01 - EP US); **B65H 11/005** (2013.01 - EP US); B65H 2406/321 (2013.01 - EP US); B65H 2406/3223 (2013.01 - EP US)

Citation (examination)

GB 2218953 A 19891129 - BRUNA LEISURE LIMITED [GB]

Cited by

DE102004003509B4; EP1153865A1; EP1588967A3; EP0750986A3; EP3527515A1; DE19729088B4; EP0888992A3; FR2918360A1; EP2011753A1; EP1698577A3; US7988609B2; WO2009141113A1; US7207558B2; US10800622B2; WO2021239416A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 91104706 A 19910326; AT 91104706 T 19910326; DE 4012948 A 19900424; DE 59100569 T 19910326; ES 91104706 T 19910326; JP 9039291 A 19910422; US 69008491 A 19910423