

Title (en)

Device for transporting a strip of foil material along a straight path

Title (de)

Transportvorrichtung für einen Streifen von folienartigem Material längs einer geraden Strecke

Title (fr)

Dispositif de transport d'une bande de matériau en feuille le long d'un trajet rectiligne

Publication

EP 1535869 A1 20050601 (EN)

Application

EP 03078722 A 20031125

Priority

EP 03078722 A 20031125

Abstract (en)

The invention relates to a device for transporting a strip (2) of foil material, for instance a sheet of plastic or paper, along a substantially straight path from a supply station (3) to a processing station, for instance a printer, a laminator or the like, which device comprises: sensing means for sensing deviations in the nominal transporting direction of the strip; and braking means (8,9) which engage on the strip and, under the control of the sensing means, subject the strip to a braking force on its left side edge (10) or on its right side edge (11) depending on the direction of a determined deviation, such that deviations in the nominal transporting direction are corrected and the strip (2) leaves the device within a preset tolerance relative to the nominal transporting direction. <IMAGE>

IPC 1-7

B65H 7/10; B65H 23/038; B65H 23/02

IPC 8 full level

B65H 23/02 (2006.01); **B65H 23/032** (2006.01); **B65H 23/038** (2006.01); **B65H 23/14** (2006.01); **B65H 23/24** (2006.01)

CPC (source: EP)

B65H 23/0212 (2013.01); **B65H 23/032** (2013.01); **B65H 23/038** (2013.01); **B65H 23/14** (2013.01); **B65H 23/245** (2013.01);
B65H 2220/09 (2013.01); B65H 2404/14212 (2013.01); B65H 2406/351 (2013.01); B65H 2406/352 (2013.01); B65H 2511/24 (2013.01);
B65H 2515/34 (2013.01); B65H 2553/10 (2013.01)

Citation (search report)

- [X] EP 1013584 A1 20000628 - GERBER SCIENT PRODUCTS INC [US]
- [X] US 3323700 A 19670606 - HERMAN EPSTEIN, et al
- [A] US 5169140 A 19921208 - WENTHE JR STEPHEN J [US]
- [XA] GB 1362619 A 19740807 - BLACK J A
- [XA] GB 943676 A 19631204 - HARNDEN LTD C A
- [A] US 3032245 A 19620501 - GEORGE HARVEY F, et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 011, no. 054 (M - 563) 19 February 1987 (1987-02-19)
- [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 034 (M - 1357) 22 January 1993 (1993-01-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 575 (M - 1062) 20 December 1990 (1990-12-20)

Cited by

CN103009308A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1535869 A1 20050601; WO 2005051819 A1 20050609

DOCDB simple family (application)

EP 03078722 A 20031125; NL 2004000816 W 20041125