

Title (en)

Collecting device for forming and delivering a bundle of sheet like objects

Title (de)

Sammelvorrichtung zum Bilden und Ausgeben eines Bündels von blattförmigen Gegenständen

Title (fr)

Dispositif collecteur pour former et délivrer une liasse d'objets en forme de feuilles

Publication

EP 1331189 A3 20041020 (DE)

Application

EP 03000828 A 20030115

Priority

DE 10203175 A 20020128

Abstract (en)

[origin: DE10203175C1] The device includes a guide surface (46) with a sheet transport (48) for conveying sheets to a engageable sheet stop (96). A sheet sensor (112) near to the entrance to a sheet transport (48). A control device controls the sheet transport, the stop and the bundle transport. The sheet transport is controlled, based on the outputs from the sensor which represents the front and back edge of a sheet, so that the front edge of a subsequent sheet abuts the surface of the immediately previous sheet, and they are conveyed together to the sheet stop.

IPC 1-7

B65H 39/10; G07D 11/00

IPC 8 full level

B65H 39/10 (2006.01)

CPC (source: EP)

B65H 31/3027 (2013.01); **B65H 39/10** (2013.01); **B65H 2301/42122** (2013.01); **B65H 2301/4213** (2013.01); **B65H 2301/42262** (2013.01); **B65H 2301/44322** (2013.01); **B65H 2404/268** (2013.01); **B65H 2511/514** (2013.01); **B65H 2701/1311** (2013.01); **B65H 2701/1313** (2013.01); **B65H 2701/1912** (2013.01)

Citation (search report)

- [X] DE 4333575 A1 19950406 - BOEWE SYSTEC AG [DE]
- [X] EP 0295584 A2 19881221 - OMRON TATEISI ELECTRONICS CO [JP]
- [A] US 4728090 A 19880301 - OOTA YOSHIHIKO [JP], et al
- [A] US 4676495 A 19870630 - HUGHES ROBERT W [GB]
- [A] DE 19748864 A1 19990506 - SIEMENS NIXDORF INF SYST [DE]
- [A] US 4363584 A 19821214 - KOKUBO EIICHI
- [A] US 4320854 A 19820323 - HIROSE MINORU
- [A] US 4314696 A 19820209 - GRAEF HARRY T

Cited by

DE102011000791A1; WO2012110630A1; CN106991756A; DE102011000784A1; WO2012110557A1; US8931613B2; US8939271B2; DE102011000791B4; WO2010108841A2; DE102009015047A1; EP2495174A2; EP2495199A2; EP2495200A2; EP2495201A2; US9114952B2; US10308380B2

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 SE SI SK TR

DOCDB simple family (publication)

DE 10203175 C1 20030618; DE 50304532 D1 20060921; EP 1331189 A2 20030730; EP 1331189 A3 20041020; EP 1331189 B1 20060809

DOCDB simple family (application)

DE 10203175 A 20020128; DE 50304532 T 20030115; EP 03000828 A 20030115