

Title (en)

Signature conveyor system with automatic phase adjustment

Title (de)

Bogentransportsystem mit automatischer Phaseneinstellung

Title (fr)

Système de transport de cahiers avec ajustement automatique de phase

Publication

**EP 0727379 A3 19961023 (EN)**

Application

**EP 96301071 A 19960216**

Priority

- US 39047395 A 19950217
- US 56928195 A 19951208

Abstract (en)

[origin: EP0727379A2] A signature conveyor system with automatic phase adjustment capability includes a conveyor for conveying a plurality of sheets in a conveyance direction wherein the conveyor is subdivided into a plurality of conveyor spaces and a motor for causing the conveyor to move at a speed in the conveyance direction. Packer boxes are spaced along the conveyor and each packer box periodically releases one of the sheets above the conveyor at a release time as the conveyor moves past the packer box. A phase changer is operatively coupled between the conveyor and the packer boxes and adjusts the release time based upon the speed of the conveyor. <IMAGE>

IPC 1-7

**B65H 39/043**

IPC 8 full level

**B65H 39/043** (2006.01)

CPC (source: EP)

**B65H 39/043** (2013.01); **B65H 2513/10** (2013.01); **B65H 2513/50** (2013.01)

Citation (search report)

- [XA] US 3825247 A 19740723 - FERNANDEZ RANA V, et al
- [AD] US 4869484 A 19890926 - HASTIE RONALD W [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 17, no. 59 (M - 1363) 5 February 1993 (1993-02-05)
- [X] PATENT ABSTRACTS OF JAPAN vol. 11, no. 74 (M - 568)<2521> 6 March 1987 (1987-03-06)

Cited by

EP0997421A1; EP1574354A1; EP1043254A1; EP1488916A3; EP1623945A1; DE102004037896A1; AU2005257998B2; EP1765704A4; EP1283188A1; EP0894758A1; US7055814B1; US7232125B2; US7407461B2; US7677543B2

Designated contracting state (EPC)

BE CH DE ES FR GB IE IT LI NL

DOCDB simple family (publication)

**EP 0727379 A2 19960821; EP 0727379 A3 19961023**

DOCDB simple family (application)

**EP 96301071 A 19960216**