

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