

Title (en)
Device for changing the speed of signatures

Title (de)
Vorrichtung zur Änderung der Geschwindigkeit von Exemplaren

Title (fr)
Dispositif pour changer la vitesse d'exemplaires

Publication
EP 0972733 A3 20001011 (DE)

Application
EP 99111914 A 19990621

Priority
DE 19831044 A 19980713

Abstract (en)
[origin: EP0972733A2] The apparatus has a fast conveyor with rollers and bands and a slow conveyor. The sheets etc. are transported between the bands of the two conveyors. A pair of rollers with recesses in its circumference is provided in the conveying path of one of the two conveyors. Coating sections (60) are provided on an arrangement of rotating bodies (22,23,24,25). These sections have a constant angular velocity which the occurrence of additional dynamic influences. The rotating bodies move about respective eccentric axes on cam shafts. These shafts rotate relative to the frame such that the rotating bodies and the shafts rotate with the constant speed. Independent claims also cover a product transport device in a folding device of a printer.

IPC 1-7
B65H 29/68

IPC 8 full level
B65H 29/68 (2006.01)

CPC (source: EP US)
B65H 29/68 (2013.01 - EP US); **B65H 2513/10** (2013.01 - EP US); **B65H 2513/20** (2013.01 - EP US)

Citation (search report)

- [XDA] EP 0498068 A1 19920812 - HEIDELBERGER DRUCKMASCH AG [DE]
- [X] EP 0463419 A1 19920102 - KOMORI PRINTING MACH [JP]
- [AD] EP 0256795 A2 19880224 - ROCKWELL GRAPHIC SYST [GB]
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 299 (M - 524)<2355> 11 October 1986 (1986-10-11)

Cited by
EP1840058A1; FR2788045A1; EP2648913A4; US6428001B1; EP1138622A3; EP2878560A3; US9346645B2; US6394445B1; US6572097B2

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 99111914 A 19990621; CN 99109770 A 19990713; DE 19831044 A 19980713; DE 59906744 T 19990621; HK 00102046 A 20000405; JP 19861099 A 19990713; US 35225199 A 19990713