

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 B1 20030827 (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)

Cited by

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

Designated contracting state (EPC)

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EP 0972733 A2 20000119; **EP 0972733 A3 20001011**; **EP 0972733 B1 20030827**; CN 1118371 C 20030820; CN 1243786 A 20000209; DE 19831044 A1 20000120; DE 59906744 D1 20031002; HK 1023094 A1 20000901; JP 2000034047 A 20000202; JP 4847637 B2 20111228; US 6302391 B1 20011016

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