

Title (en)

Device for and method of cutting and deviating signatures

Title (de)

Vorrichtung und Verfahren zum Schneiden und Umlenken von Signaturen

Title (fr)

Dispositif et procédé pour couper et dévier des produits imprimés

Publication

EP 1097892 A3 20020403 (DE)

Application

EP 00120704 A 20000922

Priority

US 43566799 A 19991108

Abstract (en)

[origin: EP1097892A2] The method for cutting a strip (5) of paper and turning the signatures produced around comprises perforating the strip to form partially separated signatures. The sections are then fed through a cutter (14) to separate them completely. A first belt (30) is fed between the cutters and the signatures are supported between it and a second belt (40). They are then alternately fed straight on, on the first belt, or turned through 180 degrees on the second belt. An Independent claim is included for a device for use in the above process.

IPC 1-7

B65H 29/60; **B65H 35/10**; **B65H 29/40**; **B65H 29/68**

IPC 8 full level

B41F 13/56 (2006.01); **B41F 13/60** (2006.01); **B65H 20/04** (2006.01); **B65H 29/40** (2006.01); **B65H 29/60** (2006.01); **B65H 35/00** (2006.01); **B65H 35/08** (2006.01); **B65H 35/10** (2006.01); **B65H 39/105** (2006.01)

CPC (source: EP US)

B65H 29/40 (2013.01 - EP US); **B65H 29/60** (2013.01 - EP US); **B65H 35/08** (2013.01 - EP US); **B65H 2404/243** (2013.01 - EP US); **B65H 2405/531** (2013.01 - EP US); **Y10S 83/934** (2013.01 - EP US); **Y10T 83/2057** (2015.04 - EP US); **Y10T 83/2074** (2015.04 - EP US); **Y10T 83/2098** (2015.04 - EP US); **Y10T 83/2194** (2015.04 - EP US); **Y10T 83/4778** (2015.04 - EP US); **Y10T 83/4836** (2015.04 - EP US); **Y10T 83/6491** (2015.04 - EP US); **Y10T 83/6582** (2015.04 - EP US); **Y10T 83/6588** (2015.04 - EP US); **Y10T 83/9374** (2015.04 - EP US); **Y10T 83/9401** (2015.04 - EP US); **Y10T 83/9408** (2015.04 - EP US)

Citation (search report)

- [XY] WO 9724284 A2 19970710 - KOENIG & BAUER ALBERT AG [DE], et al
- [YDA] US 5615878 A 19970401 - BELANGER ROGER R [US], et al
- [A] EP 0315932 A2 19890517 - MITSUBISHI HEAVY IND LTD [JP]
- [AD] US 5607146 A 19970304 - NOVICK MICHAEL A [US], et al
- [AD] US 5794929 A 19980818 - CURLEY RICHARD DANIEL [US], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1097892 A2 20010509; **EP 1097892 A3 20020403**; **EP 1097892 B1 20031217**; AT E256623 T1 20040115; DE 10047041 A1 20010510; DE 50004782 D1 20040129; JP 2001187667 A 20010710; US 6612213 B1 20030902

DOCDB simple family (application)

EP 00120704 A 20000922; AT 00120704 T 20000922; DE 10047041 A 20000922; DE 50004782 T 20000922; JP 2000340150 A 20001108; US 43566799 A 19991108