

Title (en)

Folding apparatus with a first and a second cylinder

Title (de)

Falzapparat mit einem ersten und einem zweiten Zylinder

Title (fr)

Appareil de pliage avec un premier et un deuxième cylindre

Publication

**EP 1234794 A3 20031105 (DE)**

Application

**EP 02002022 A 20020207**

Priority

US 79507501 A 20010223

Abstract (en)

[origin: EP1234794A2] The folding apparatus has a first roller (14) with a gripper (32) for holding signatures and a folding blade (37) for producing a fold in it. A second roller (15) is fitted with a pocket (38) which holds the signature at the fold. A first motor (170) drives the gripper and a second motor (180) drives the folding blade and pocket. E- Independent claims are included for: (a) a method for cutting and folding printed products using the apparatus; and (b) a web-fed rotary printing machine fitted with it.

IPC 1-7

**B65H 45/16**

IPC 8 full level

**B41F 13/56** (2006.01); **B65H 45/16** (2006.01); **B65H 45/28** (2006.01)

CPC (source: EP US)

**B41F 13/0045** (2013.01 - EP US); **B41F 13/62** (2013.01 - EP US); **B65H 45/168** (2013.01 - EP US)

Citation (search report)

- [XY] US 5676630 A 19971014 - MAYR ROBERT [DE]
- [Y] EP 1074500 A1 20010207 - HEIDELBERGER DRUCKMASCH AG [DE]
- [X] US 5443437 A 19950822 - MACK RICHARD [DE]
- [A] EP 0922661 A2 19990616 - ROLAND MAN DRUCKMASCH [DE]
- [A] US 5242367 A 19930907 - MARMIN JEAN-CLAUDE [FR]
- [A] PATENT ABSTRACTS OF JAPAN
- [A] PATENT ABSTRACTS OF JAPAN & DE 4426987 C2 19981022 - ROLAND MAN DRUCKMASCH [DE]

Cited by

FR2847512A1; CN102794931A; US7540836B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1234794 A2 20020828; EP 1234794 A3 20031105; EP 1234794 B1 20120125**; AT E542766 T1 20120215; DE 10204756 A1 20020905; JP 2002255447 A 20020911; JP 4083440 B2 20080430; RU 2286880 C2 20061110; US 2002119877 A1 20020829; US 2004185997 A1 20040923; US 2006234847 A1 20061019; US 6752751 B2 20040622; US 7090632 B2 20060815; US 7972256 B2 20110705

DOCDB simple family (application)

**EP 02002022 A 20020207**; AT 02002022 T 20020207; DE 10204756 A 20020206; JP 2002043091 A 20020220; RU 2002104568 A 20020222; US 47260206 A 20060622; US 79507501 A 20010223; US 79924504 A 20040312