

Title (en)
Folding apparatus in a rotary press

Title (de)
Falzapparat in einer Rollenrotationsdruckmaschine

Title (fr)
Plieuse dans une machine rotative d'impression

Publication
EP 1362819 A3 20050126 (DE)

Application
EP 03008025 A 20030411

Priority
DE 10221794 A 20020515

Abstract (en)
[origin: EP1362819A2] The folder (1) in a web fed rotary press for the folding of signatures (2) has a cutting device (4) comprising a cutting knife (14) installed on a folding blade cylinder (8) and a rotating anvil element (16). A revolving band-form transporting element (12) is guided around the rotating anvil element, and during the cutting process of the signatures acts as a counter pressure element for the cutting knife. The transporting element is constructed as a belt guided in a slot formed on the anvil element, whereby the depth of the slot is slightly smaller than the thickness of the transporting element.

IPC 1-7
B65H 45/28; **B65H 35/08**

IPC 8 full level
B41F 13/56 (2006.01); **B31B 50/16** (2017.01); **B41F 13/62** (2006.01); **B41F 33/00** (2006.01); **B65H 35/04** (2006.01); **B65H 45/28** (2006.01)

CPC (source: EP US)
B65H 45/28 (2013.01 - EP US)

Citation (search report)

- [A] DE 19949223 A1 20000504 - HEIDELBERGER DRUCKMASCH AG [DE]
- [DA] US 5484379 A 19960116 - STAEB RUDOLF [DE]
- [A] EP 0820949 A1 19980128 - HEIDELBERGER DRUCKMASCH AG [DE]

Cited by
US7594884B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1362819 A2 20031119; **EP 1362819 A3 20050126**; **EP 1362819 B1 20070725**; CN 100402284 C 20080716; CN 1457982 A 20031126; DE 10221794 A1 20031127; DE 50307749 D1 20070906; HK 1072745 A1 20050909; JP 2003341929 A 20031203; JP 4838487 B2 20111214; US 2004058793 A1 20040325; US 2007270297 A1 20071122; US 7329219 B2 20080212

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EP 03008025 A 20030411; CN 03122383 A 20030509; DE 10221794 A 20020515; DE 50307749 T 20030411; HK 04103510 A 20040518; JP 2003136809 A 20030515; US 43757603 A 20030514; US 88158107 A 20070727