Title (en)
 Folding machine

Title (de)
 Falzapparat

Title (fr)
 Plieuse

Publication
 EP 1803673 A1 20070704 (FR)

Application
 EP 06291856 A 20061201

Priority
 FR 0513382 A 20051227

Abstract (en)
 Conveying belt has a bank of continuous synchronizing belt loops. Loop goes around sinking on the groove of the counter-pressure cylinder (12) with cutting blocks separated by grooves. It passes the axial gap where the blades cooperate with the counter-pressure block. It proceeds underneath the blade cylinder (10). It loops back on series of rollers to return to the counter-pressure cylinder. It conveys the cut web and/or signature downstream of the cutting location (19). Synchronized blades and block cut the paper on their contact points without touching the belts. An independent claim is included for a rotary press.

Abstract (fr)
 Cette plieuse est adaptée pour plier des signatures et comprend un cylindre de lame (10) muni d'au moins une lame (20), un cylindre de contre-pression (12) muni d'au moins deux éléments de contre-pression (26) qui définissent un interstice axial (32) entre eux, un élément de convoyage (28) qui est adapté pour convoyer une signature, et qui s'étend dans l'interstice axial (32). La lame (20) s'étend pardessus l'interstice axial (32), et l'élément de convoyage (28) s'étend dans l'interstice axial (32) à un écart (e) de la lame (20) lorsque la lame (20) coopère avec les éléments de contre-pression (26).

IPC 8 full level
 B65H 45/16 (2006.01)

CPC (source: EP US)
 B65H 45/28 (2013.01 - EP US); Y10T 83/9312 (2015.04 - EP US)

Citation (search report)
 • [Y] US 2004058793 A1 20040325 - BLANCHARD ALALN [FR], et al
 • [Y] US 4465269 A 19840814 - PETERSEN GODBER [DE]
 • [A] US 4957280 A 19900918 - MOTOOKA MIKIO [JP]

Designated contracting state (EPC)
 CH DE FR GB IT LI

Designated extension state (EPC)
 AL BA HR MK YU

DOCDB simple family (publication)
 EP 1803673 A1 20070704; **EP 1803673 B1 20100303**; CN 101007606 A 20070801; CN 101007606 B 20111207;
 DE 602006012610 D1 20100415; FR 2895386 A1 20070629; FR 2895386 B1 20080404; JP 2007176705 A 20070712;
 US 2007144324 A1 20070628; US 7594884 B2 20090929

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 EP 06291856 A 20061201; CN 200610172894 A 20061226; DE 602006012610 T 20061201; FR 0513382 A 20051227;
 JP 2006352732 A 20061227; US 64458306 A 20061220