

Title (en)

ENVELOPE FEEDER HAVING DUAL ALIGNED CONVEYORS

Title (de)

ZUFÜHREINRICHTUNG FÜR BRIEFUMSCHLÄGE MIT ZWEI AUSGERICHTETEN FÖRDERERN

Title (fr)

DISPOSITIF D'ALIMENTATION EN ENVELOPPES COMPORTANT DEUX TRANSPORTEURS ALIGNÉS

Publication

EP 3134339 A4 20171220 (EN)

Application

EP 14878609 A 20140115

Priority

US 2014011718 W 20140115

Abstract (en)

[origin: WO2015108517A1] An envelope feeder for a printer having two aligned conveyors moving at different speeds is disclosed. An upstream conveyor moves a backwards slanted procession of envelopes having aligned upper edges onto an inline downstream conveyor that accelerates the envelopes along a curved upper edge so that by the time any single envelope arrives at the printer ingestion or feed slot, the envelope is almost completely flat yet supported upwards slightly so that the pickup roller of the printer can easily and reliably ingest the envelope for processing. Due to the speed of the downstream conveyor, envelopes are continually and reliably presented to the printer to avoid printer stalls. The configuration reduces the amount of skill and operating labor required to establish a high-speed envelope feed source for high-speed printing.

IPC 8 full level

B65H 1/22 (2006.01); **B65H 5/24** (2006.01)

CPC (source: EP)

B65H 1/22 (2013.01); **B65H 5/24** (2013.01); **B65H 7/04** (2013.01); **B65H 11/002** (2013.01); **B65H 2402/32** (2013.01); **B65H 2404/264** (2013.01); **B65H 2404/2691** (2013.01); **B65H 2511/22** (2013.01); **B65H 2513/10** (2013.01); **B65H 2513/40** (2013.01); **B65H 2701/1916** (2013.01)

Citation (search report)

- [A] GB 1248511 A 19711006 - HUNTWORK CLAUDE RAYMOND [US]
- [A] JP 2006213459 A 20060817 - SHIBUYA KOGYO CO LTD
- [A] WO 2011031966 A2 20110317 - KAIPING JAMES C [US]
- See references of WO 2015108517A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2015108517 A1 20150723; EP 3134339 A1 20170301; EP 3134339 A4 20171220; EP 3134339 B1 20201028; JP 2017502895 A 20170126; JP 6348602 B2 20180627

DOCDB simple family (application)

US 2014011718 W 20140115; EP 14878609 A 20140115; JP 2016545981 A 20140115