

Title (en)

Method and device for opening bound printed products in continuous motion

Title (de)

Vorrichtung und Verfahren zum Öffnen von kontinuierlich bewegten gebundenen Druckprodukten

Title (fr)

Dispositif et procédé d'ouverture de produits d'impression reliés et déplacés en continu

Publication

EP 2428477 A3 20140618 (DE)

Application

EP 11007422 A 20110913

Priority

DE 202010012500 U 20100913

Abstract (en)

[origin: EP2428477A2] The device (1) has a height-adjustable product opener (5) movable in a horizontal direction. Guide plates (8', 8'', 8''') hold a printed product in a position opened by the opener. An optical detection device (7) is provided above a part of the printed product, where the part contains a preset side to be opened and lies on a transport path (2). Cover openers (10', 10'', 10''') are arranged in series in a transport direction for lifting an upper sheet. A controller compares an image delivered by the detection device with stored images of an edge of a preset side, and controls the cover openers.

IPC 8 full level

B42C 1/10 (2006.01); **B42D 9/04** (2006.01); **B65H 5/30** (2006.01); **B65H 7/06** (2006.01)

CPC (source: EP)

B42C 1/10 (2013.01); **B42D 9/04** (2013.01); **B65H 5/302** (2013.01); **B65H 5/305** (2013.01); **B65H 7/06** (2013.01); **B65H 2220/09** (2013.01); **B65H 2406/345** (2013.01); **B65H 2511/413** (2013.01); **B65H 2515/34** (2013.01)

Citation (search report)

- [A] EP 0006522 A1 19800109 - RAHDENER MASCHF AUGUST [DE]
- [A] DE 1945501 A1 19700326 - DOLFINI LEONARDO
- [A] US 4470588 A 19840911 - GEISER PETER [CH]
- [A] US 2007110277 A1 20070517 - HAYDUCHOK GEORGE L [US], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 202010012500 U1 20101202; EP 2428477 A2 20120314; EP 2428477 A3 20140618

DOCDB simple family (application)

DE 202010012500 U 20100913; EP 11007422 A 20110913