

Title (en)

Device and method for aligning and separating stacked plates

Title (de)

Vorrichtung zum Ausrichten und Vereinzeln gestapelter Platten

Title (fr)

Dispositif et procédé pour aligner et séparer des plaques empilées

Publication

**EP 1359102 A1 20031105 (DE)**

Application

**EP 02009745 A 20020430**

Priority

EP 02009745 A 20020430

Abstract (en)

The top of the stack (1) is pushed sideways by an alignment pusher (2) with an overhanging surface at 45 degrees to the vertical. The stack is pushed against an upward-facing block (4) with a face at 45 degrees to the vertical. Two suction devices (7,8) lift up the top sheet (20) and move it toward gripper rollers (18,19).

Abstract (de)

Die Erfindung betrifft eine Vorrichtung und ein Verfahren zum Abnehmen von Platten von einem Stapel, wobei mit Hilfe einer Ausrichteinrichtung obere Platten in dem Stapel seitlich versetzt ausgerichtet werden. <IMAGE>

IPC 1-7

**B65H 3/60**; B65H 3/08; B65H 3/48

IPC 8 full level

**B65H 3/08** (2006.01); **B65H 3/48** (2006.01); **B65H 3/60** (2006.01)

CPC (source: EP)

**B65H 3/0816** (2013.01); **B65H 3/48** (2013.01); **B65H 3/60** (2013.01); B65H 2301/363 (2013.01); **B65H 2301/42324** (2013.01); **B65H 2404/7412** (2013.01); **B65H 2405/112** (2013.01); **B65H 2405/113** (2013.01); **B65H 2701/1938** (2013.01)

Citation (search report)

- [X] EP 1050498 A2 20001108 - KLOECKNER MEDIPAK GMBH [DE]
- [X] WO 0200538 A1 20020103 - WIENKE HANS ULRICH [DE]
- [DA] DE 19609826 A1 19970918 - SIEMPELKAMP HANDLING SYS GMBH [DE]
- [XA] "AN IMPROVED PAPER SUPPLY DESIGN", RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, GB, no. 325, 1 May 1991 (1991-05-01), pages 370, XP000229727, ISSN: 0374-4353
- [X] PATENT ABSTRACTS OF JAPAN vol. 006, no. 240 (M - 174) 27 November 1982 (1982-11-27)
- [X] PATENT ABSTRACTS OF JAPAN vol. 010, no. 189 (M - 494) 3 July 1986 (1986-07-03)

Cited by

CN111377265A; WO2017021103A1

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

**EP 1359102 A1 20031105**; **EP 1359102 B1 20050126**; DE 50202110 D1 20050303

DOCDB simple family (application)

**EP 02009745 A 20020430**; DE 50202110 T 20020430