

Title (en)

Apparatus and method for separating printing plates of a stack

Title (de)

Vorrichtung und Verfahren zum Vereinzeln von Druckplatten eines Stapels

Title (fr)

Dispositif et méthode de séparer des plaques d'impression d'une pile

Publication

EP 1645531 A1 20060412 (DE)

Application

EP 05109271 A 20051006

Priority

DE 102004049385 A 20041008

Abstract (en)

Device for isolating flat objects from a pile of pressure plates (4) by suction through suction element of lifting device (6) which is part of form element (7) that operates in a confined boundary (11). Suction is created in Form element by airflow (5) which has recess (13) and airducts (14). An independent claim is also made for the procedure for isolating pressure plates from a pile.

IPC 8 full level

B65H 3/08 (2006.01)

CPC (source: EP US)

B65H 3/0816 (2013.01 - EP US); **B65H 3/0883** (2013.01 - EP US); **B65H 3/54** (2013.01 - EP US); **B65H 2701/18264** (2013.01 - EP US); **B65H 2701/1928** (2013.01 - EP US)

Citation (search report)

- [X] DE 2659421 A1 19780706 - SIEMENS AG
- [X] US 1585368 A 19260518 - BLAINE JOSEPH R
- [X] DE 19854826 A1 20000608 - ILLIG MASCHINENBAU ADOLF [DE]
- [X] US 5921541 A 19990713 - HAENSCH EGON [CH]
- [X] DE 9100269 U1 19910718
- [X] PATENT ABSTRACTS OF JAPAN vol. 003, no. 140 (M - 081) 20 November 1979 (1979-11-20)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1645531 A1 20060412; EP 1645531 B1 20080213; AT E385980 T1 20080315; CN 100558617 C 20091111; CN 1814527 A 20060809; DE 102004049385 A1 20060413; DE 502005002811 D1 20080327; JP 2006103971 A 20060420; JP 5025939 B2 20120912; US 2006180983 A1 20060817; US 7559544 B2 20090714

DOCDB simple family (application)

EP 05109271 A 20051006; AT 05109271 T 20051006; CN 200510121661 A 20051008; DE 102004049385 A 20041008; DE 502005002811 T 20051006; JP 2005293251 A 20051006; US 24755405 A 20051011