

Title (en)
DEVICE FOR SEPARATING SHEETS IN A PILE

Title (de)
VORRICHTUNG ZUM VEREINZELN VON BLATTGUT AUS EINEM STAPEL

Title (fr)
DISPOSITIF POUR SEPARER DES FEUILLES D'UNE PILE DE FEUILLES

Publication
EP 0946402 A1 19991006 (DE)

Application
EP 97953891 A 19971219

Priority
• DE 19653424 A 19961220
• EP 9707206 W 19971219

Abstract (en)
[origin: US6267372B1] The apparatus has an input pocket into which a stack of sheets is inserted. At least the sheet to be picked from the stack by the picking device is transported by means of a feed device to a picking device which then picks one sheet from the stack at a time. To improve singling quality, a presingling device is provided which first transports only part of the stack to the picking device. In order to ensure that stacks of different-sized sheet material are singled reliably, an aligning device is provided which transports at least the sheet to be picked from the stack in the direction of a defined stop and thus aligns the sheet against said stop. The aligning device preferably cooperates alternately with the feed device. To increase singling reliability, a pressure plate is provided in the presingling device for acting upon the presingled partial stack with a certain pressure.

IPC 1-7
B65H 9/16; **B65H 3/04**

IPC 8 full level
B65H 9/16 (2006.01); **B65H 3/04** (2006.01); **B65H 3/06** (2006.01); **B65H 3/52** (2006.01); **B65H 9/10** (2006.01)

CPC (source: EP US)
B65H 3/063 (2013.01 - EP US); **B65H 3/5292** (2013.01 - EP US); **B65H 9/106** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Citation (search report)
See references of WO 9828212A1

Cited by
US6798899B2

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6267372 B1 20010731; AT E208738 T1 20011115; AU 5762498 A 19980717; DE 19653424 A1 19980625; DE 59705416 D1 20011220; EP 0946402 A1 19991006; EP 0946402 B1 20011114; RU 2189346 C2 20020920; WO 9828212 A1 19980702

DOCDB simple family (application)
US 31991799 A 19990830; AT 97953891 T 19971219; AU 5762498 A 19971219; DE 19653424 A 19961220; DE 59705416 T 19971219; EP 9707206 W 19971219; EP 97953891 A 19971219; RU 99115158 A 19971219