

Title (en)

Device for separating piled sheets from synthetic material, paperbound or the like

Title (de)

Vorrichtung zum Vereinzeln von gestapelten Blättern aus Kunststoff, Pappe oder dergleichen

Title (fr)

Dispositif pour séparer individuellement des feuilles empilées en matière plastique, en carton ou similaire

Publication

**EP 0574745 B1 19970326 (DE)**

Application

**EP 93108479 A 19930526**

Priority

DE 4219445 A 19920613

Abstract (en)

[origin: EP0574745A1] The separating device consists of a magazine (1) in which piled sheets (6) of plastic or the like are arranged, and has movable suction devices (13) in order to move the separated sheets (6) to a working station (28), the sheets (6) in the pile (12) being supported, lying horizontally, by supports (8) on the lower edge (7) of the magazine (1) and the lowermost sheet (6) being exposed between the supports and accessible to the suction device (13). In order to separate the sheets reliably with relatively simple means and, preferably, to bring them reproducibly into engagement in an accurate position with the suction device (13), provision is made according to the invention for a rotatably driven shaft (8) to be arranged along the two lower edges (7) of the magazine (1) as a support, the cross-section of the shaft being recessed in the region of the length of the sheets (6) to form a shoulder, the depth of the shoulder being equal to the thickness of the sheet to be separated, and for the suction devices to be able to be advanced towards the sheet (6) and retracted arranged so as to be approximately centrally between the edges (7) of the magazine (1). <IMAGE>

IPC 1-7

**B65H 3/42**; **B65H 3/24**; **B65H 3/08**

IPC 8 full level

**B65H 1/06** (2006.01); **B65H 3/08** (2006.01); **B65H 3/24** (2006.01); **B65H 3/34** (2006.01); **B65H 3/42** (2006.01)

CPC (source: EP US)

**B65H 3/085** (2013.01 - EP US); **B65H 3/34** (2013.01 - EP US)

Cited by

DE102016125834A1; EP3056293A1; CN106005579A; DE19710236B4; US10479620B2; WO2014094184A1; DE102016125834B4

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

**EP 0574745 A1 19931222**; **EP 0574745 B1 19970326**; AT E150730 T1 19970415; CA 2097543 A1 19931214; DE 4219445 A1 19931216; DE 59305929 D1 19970430; JP H06199426 A 19940719; US 5407187 A 19950418

DOCDB simple family (application)

**EP 93108479 A 19930526**; AT 93108479 T 19930526; CA 2097543 A 19930601; DE 4219445 A 19920613; DE 59305929 T 19930526; JP 14081793 A 19930611; US 7600293 A 19930611