

Title (en)

Method and means for handling piled, preferably folded printed products.

Title (de)

Verfahren und Vorrichtung zum Weiterverarbeiten von gestapelten, vorzugsweise gefalteten Druckereierzeugnissen.

Title (fr)

Procédé et dispositif pour le traitement ultérieur de produits imprimés empilés, de préférence pliés.

Publication

EP 0417503 B1 19941109 (DE)

Application

EP 90115851 A 19900818

Priority

CH 334089 A 19890913

Abstract (en)

[origin: EP0417503A1] Above a pile support (1) which is formed by revolvingly driven separating rollers (2), a cuboid pile space (12) for receiving a pile of folded printed products (14) is arranged. The pile space (12) is inclined with one corner (12a) pointing towards the direction of movement (A) of the separating rollers (2). In the region of this corner (12a) of the pile space (12), a suction member (18) is arranged, which can periodically be moved in between two neighbouring separating rollers (2) to grasp and to draw through the corner of the respective lowest printed product (14). The printed products (14), which are freed from the pile by the separating rollers (2) which are moved along the pile base, are placed on a removal conveyor (24), lying on top of one another in the manner of roof tiles. The pile space (12) is inclined with another corner (12b) pointing in the conveying direction (C) of the removal conveyor (24) in such a manner that a shingled formation (S) is formed on the removal conveyor (24), in which the printed products (14) are arranged with one corner (25) leading. At the side of the shingled formation (S), two corners (26, 27) of each printed product (14) are exposed, at which individual printed products (14) can be grasped and e.g. laterally removed. <IMAGE>

IPC 1-7

B65H 3/08; **B65H 3/32**

IPC 8 full level

B65H 3/08 (2006.01); **B65H 3/32** (2006.01); **B65H 3/50** (2006.01); **B65H 5/24** (2006.01)

CPC (source: EP US)

B65H 3/085 (2013.01 - EP US); **B65H 3/32** (2013.01 - EP US); **B65H 5/24** (2013.01 - EP US); **B65H 29/6672** (2013.01 - EP US); **B65H 2301/42322** (2013.01 - EP US); **B65H 2301/4233** (2013.01 - EP US); **B65H 2404/313** (2013.01 - EP US); **B65H 2404/3132** (2013.01 - EP US)

Cited by

EP0798247A1; NL1002743C2; FR2736629A1; DE19643395B4; DE19510901B4; US6439566B1; US6332607B1

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0417503 A1 19910320; **EP 0417503 B1 19941109**; AT E113925 T1 19941115; AU 6207890 A 19910321; AU 626715 B2 19920806; CA 2024737 A1 19910314; DE 59007686 D1 19941215; FI 904463 A0 19900910; FI 96671 B 19960430; FI 96671 C 19960812; JP H03120138 A 19910522; US 5106070 A 19920421

DOCDB simple family (application)

EP 90115851 A 19900818; AT 90115851 T 19900818; AU 6207890 A 19900831; CA 2024737 A 19900906; DE 59007686 T 19900818; FI 904463 A 19900910; JP 23597490 A 19900907; US 56962990 A 19900820