Title (en)
DEVICE AND METHOD FOR PRODUCING, PORTIONING AND RELOADING A STACK

Title (de)
VORRICHTUNG UND VERFAHREN ZUM BILDEN, PORTIONIEREN UND UMLADEN EINES STAPELS

Title (fr)
PROCEDE ET DISPOSITIF POUR FORMER, FAIRE DES PORTIONS ET TRANSBORDER DES PILES

Publication
EP 1137587 A1 20011004 (DE)

Application
EP 99964413 A 19991206

Priority
• DE 9903898 W 19991206
• DE 19856837 A 19981209

Abstract (en)
[origin: DE19856837C1] The aim of the invention is to portion a stack (4) of thin postal items sitting adjacent on a support with at least one movable holding support (5) and a belt conveyor. To this end, the support has a stationary, horizontally oriented part (1) and an adjacent pivotable part (2) which can be pivoted about a pivoting axis (3) which is located at the outer margin in the direction of stacking. During portioning, the pivotable part which extends transversely from the stationary part downwards is swiveled into a horizontal position. Below the stationary part at the border to the movable part a holding support (6) with a belt conveyor is arranged. Said belt conveyor is driven when swiveled downwards. An additional support (7) is arranged at the frame of the pivotable part of the support just above the postal items. Said additional support retains the remaining stack on the stationary support. The portioned and then compressed stack is located between the holding supports (5, 6) with belt conveyors and is reloaded by the action of the drive of said belt conveyors.

IPC 1-7
B65H 31/06; B65H 31/30; B65H 33/08

IPC 8 full level
B07C 3/00 (2006.01); B65H 31/06 (2006.01); B65H 31/30 (2006.01); B65H 33/08 (2006.01); B65H 33/12 (2006.01)

CPC (source: EP US)
B07C 3/008 (2013.01 - EP US); B65H 31/06 (2013.01 - EP US); B65H 33/08 (2013.01 - EP US); B65H 2301/42242 (2013.01 - EP US); B65H 2301/422548 (2013.01 - EP US); B65H 2701/1916 (2013.01 - EP US)

Citation (search report)
See references of WO 0034166A1

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

DOCDB simple family (publication)
DE 19856837 C1 19991230; DE 59904572 D1 20030417; EP 1137587 A1 20011004; EP 1137587 B1 20030312; JP 2002531356 A 20020924; US 6508352 B1 20030121; WO 0034165 A1 20000615; WO 0034166 A1 20000615

DOCDB simple family (application)
DE 19856837 A 19981209; DE 59904572 T 19991206; DE 9902259 W 19990722; DE 9903898 W 19991206; EP 99964413 A 19991206; JP 2000586623 A 19991206; US 85759701 A 20010727