

Title (en)

DEVICE AND METHOD FOR PRODUCING A COMPLETE STACK

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ERZEUGEN EINES GESAMTSTAPELS

Title (fr)

DISPOSITIF ET PROCEDE POUR PRODUIRE UNE PILE FINALE

Publication

**EP 1093402 A2 20010425 (DE)**

Application

**EP 99944237 A 19990701**

Priority

- DE 9901957 W 19990701
- DE 19829484 A 19980701

Abstract (en)

[origin: DE19829484C1] The sorting system is for packages of letters (5). The packages may be placed in e.g. three stacks (31-33). There are sets of conveyor belts (14-16) associated with each stack of packages. The three lines of conveyors are arranged in overlapping lines. The conveyors in each line form a straight line and take the lowermost package off each stack. Each stack rests against a wall (2) with a gap (4) at the bottom to allow the lowermost package to slide out. There is a sorting code reader (13) above each set of conveyor belts. The packages are discharged onto a large horizontal conveyor (11) with low dividing barriers (12). As this conveyor belt moves along, several packages from the various stacks may be piled one on top of the other. The packages fall off the end of the big conveyor to make s single stack in a bin (10).

IPC 1-7

**B07C 1/00**

IPC 8 full level

**B07C 3/08** (2006.01); **B07C 1/00** (2006.01); **B07C 3/02** (2006.01); **B65H 29/18** (2006.01); **B65H 39/043** (2006.01)

CPC (source: EP)

**B07C 3/02** (2013.01); **B65H 29/18** (2013.01); **B65H 39/043** (2013.01); **B65H 39/055** (2013.01); **B65H 2301/4311** (2013.01); **B65H 2301/4353** (2013.01); **B65H 2404/2691** (2013.01); **B65H 2511/40** (2013.01)

Citation (search report)

See references of WO 0001496A2

Cited by

DE102009020664A1

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 19829484 C1 19991111**; DE 59902361 D1 20020919; EP 1093402 A2 20010425; EP 1093402 B1 20020814; JP 2002519196 A 20020702; WO 0001496 A2 20000113; WO 0001496 A3 20000224

DOCDB simple family (application)

**DE 19829484 A 19980701**; DE 59902361 T 19990701; DE 9901957 W 19990701; EP 99944237 A 19990701; JP 2000557928 A 19990701