

Title (en)
METHOD AND DEVICE FOR DELIVERING PRINTED PRODUCTS

Title (de)
VERFAHREN UND VORRICHTUNG ZUM FÖRDERN VON DRUCKEREIERZEUGNISSEN

Title (fr)
PROCEDE ET DISPOSITIF D'ALIMENTATION EN IMPRIMES

Publication
EP 1124747 B1 20031112 (DE)

Application
EP 99938117 A 19990824

Priority
• CH 9900389 W 19990824
• CH 215998 A 19981026

Abstract (en)
[origin: WO0024660A1] According to the invention, the printed products (3) are delivered to a transfer position (4) by means of a delivery system (1) with a constant speed (v1) while forming an imbricated structure (S), in which the intervals (a1-a4) between successive printed products (3) are different. The section-by-section transfer of the printed products (3) is carried out at said transfer position by the gripping elements (12) of a removal device (2). These gripping elements (12) are arranged in a fixed interval (D) behind one another in a direction of delivery (B) of the removal device (2). Measures are now taken with which the printed products (3) are introduced into the jaws (15) of the gripping elements (12) at a constant speed (v1) and without altering the interval (a1-a4) between successive printed products (3). The printed products are introduced into said jaws so that each gripping element (12) transports away the number of printed products (3) delivered thereto with the same mutual interval (a', a'') as in the delivered imbricated structure formation (S). A deflection device (16) ensures that after a gripping element (12) receives a number of printed products (3), the subsequent printed products (3) are respectively introduced into the next gripping element (12) without altering the mutual interval (a1-a4) thereof.

IPC 1-7
B65H 29/04; **B65H 29/66**

IPC 8 full level
B65H 29/04 (2006.01); **B65H 29/66** (2006.01)

CPC (source: EP US)
B65H 29/003 (2013.01 - EP US); **B65H 29/669** (2013.01 - EP US); **B65H 2301/42244** (2013.01 - EP US); **B65H 2301/4354** (2013.01 - EP US); **B65H 2301/44712** (2013.01 - EP US); **B65H 2301/44732** (2013.01 - EP US)

C-Set (source: EP US)
1. **B65H 2301/44712** + **B65H 2220/01**
2. **B65H 2301/44732** + **B65H 2220/02**

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)
WO 0024660 A1 20000504; AT E254084 T1 20031115; AU 5276199 A 20000515; AU 760091 B2 20030508; BR 9914798 A 20011030; CA 2348299 A1 20000504; DE 59907748 D1 20031218; DK 1124747 T3 20040223; EP 1124747 A1 20010822; EP 1124747 B1 20031112; HU P0104181 A2 20020328; HU P0104181 A3 20020429; JP 2002528356 A 20020903; NO 20012065 D0 20010426; NO 20012065 L 20010426; NO 316718 B1 20040413; PL 347430 A1 20020408; RU 2229429 C2 20040527; US 2001020769 A1 20010913; US 2003001333 A1 20030102; US 6457708 B2 20021001; US 6578843 B2 20030617

DOCDB simple family (application)
CH 9900389 W 19990824; AT 99938117 T 19990824; AU 5276199 A 19990824; BR 9914798 A 19990824; CA 2348299 A 19990824; DE 59907748 T 19990824; DK 99938117 T 19990824; EP 99938117 A 19990824; HU P0104181 A 19990824; JP 2000578236 A 19990824; NO 20012065 A 20010426; PL 34743099 A 19990824; RU 2001114210 A 19990824; US 21468902 A 20020808; US 83256801 A 20010411