

Title (en)
Device for inserting documents in envelope.

Title (de)
Kuvertiervorrichtung.

Title (fr)
Dispositif pour mettre des documents sous enveloppe.

Publication
EP 0504114 B1 19950712 (DE)

Application
EP 92810180 A 19920310

Priority
CH 74791 A 19910312

Abstract (en)
[origin: EP0504114A1] From a pile (1), the flap (2) of the bottom-most envelope (3) is opened by a rotating opening claw (5, 6, 7). As soon as the flap is open wide enough, it is picked up by two rotating transport segments (8, 9) and pressed against two transport rollers (10, 11). The opening claws (5, 6, 7) and the transport segments (8, 9) are arranged on the same shaft (4), but are mounted and driven independently of one another. The opening claws are only triggered by a coupling (12) when a package is to be made. The transport segments (8, 9) and the transport rollers (10, 11) run continuously. Two pairs of transport rollers (17, 18, 19, 20) convey the envelope (3) towards a packaging bag (13). As soon as the flap (2) of the envelope (3) is below a holding-down roller (21), the latter begins to drop. At the same time, the packaging bag (13) begins to pivot towards the envelope. While the envelope (3) is being drawn over the packaging bag (13), the prepared envelope contents (38) are conveyed from the opposite side into the packaging bag (13) by transport fingers (34). Transport fingers (34) push the envelope (3) with its contents (38) from the packaging bag between transport belts (43, 44) and out of the envelope-filling module. <IMAGE>

IPC 1-7
B43M 3/04; **B65H 3/26**

IPC 8 full level
B65B 25/14 (2006.01); **B43M 3/04** (2006.01); **B65B 43/26** (2006.01); **B65H 3/26** (2006.01)

CPC (source: EP US)
B43M 3/045 (2013.01 - EP US); **B65H 3/26** (2013.01 - EP US)

Cited by
EP2756964A1; EP1108563A3; US6036185A; CH712495A1; EP1803585A1; FR2713613A1; US7971865B2; DE202013003426U1; US10933683B2; US8042795B2; US7788880B2; US8453823B2; US8540235B2; EP2228233A1; US8495853B2; US7717418B2; WO2016026712A1; WO2016030167A1; US10870310B2; WO2004098905A1; WO9516578A1; US8925291B2; EP1622778B1

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

DOCDB simple family (publication)
EP 0504114 A1 19920916; **EP 0504114 B1 19950712**; AT E124917 T1 19950715; CA 2062602 A1 19920913; CA 2062602 C 19950214; DE 59202835 D1 19950817; DK 0504114 T3 19951211; ES 2077383 T3 19951116; GR 3017309 T3 19951231; JP H06122417 A 19940506; JP H0777889 B2 19950823; US 5251425 A 19931012

DOCDB simple family (application)
EP 92810180 A 19920310; AT 92810180 T 19920310; CA 2062602 A 19920310; DE 59202835 T 19920310; DK 92810180 T 19920310; ES 92810180 T 19920310; GR 950402437 T 19950906; JP 10342192 A 19920312; US 85100992 A 19920311