

Title (en)
Envelope filling machine

Title (de)
Gerät zum Füllen von Umschlägen

Title (fr)
Machine de remplissage d'enveloppes

Publication
EP 2000324 A1 20081210 (EN)

Application
EP 07109633 A 20070605

Priority
EP 07109633 A 20070605

Abstract (en)
An envelope filling machine for introducing sheets (2) into envelopes (3) includes a sliding surface (5), for transferring the sheets to an envelope filling station (1) by means of pushing lugs (7), operated along the sliding surface (5). An envelope supplying conveyor (16) supplies individual envelopes (3) to the station (1) placing them between vertical shafts (23) of a pair of screws (21). The turns of the screws (21) hold the sides of the envelopes and move each envelope (3) downwards keeping the envelope (3) separated from a subsequent envelope (3). When the envelope (3) has come to rest on a conveyor belt (25) placed between and under the screws (21), the lugs (7) push the sheets (2) into the envelope (3), which is kept steady by movable stop strips (17) yieldingly maintained by elastic means. When the sheets (2) are fully inserted, the lugs push the envelope (3) to force the movable strips (17) to swing and let the filled envelope (33) leave the envelope filling station (1).

IPC 8 full level
B43M 3/04 (2006.01)

CPC (source: EP)
B43M 3/045 (2013.01)

Citation (search report)
• [XY] EP 1275523 A2 20030115 - SOME GIKEN KK [JP]
• [Y] WO 2006013465 A1 20060209 - CMC SPA [IT], et al
• [DY] EP 1473173 A2 20041103 - CMC SPA [IT]
• [Y] EP 1226980 A2 20020731 - CMC SPA [IT]

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2000324 A1 20081210; EP 2000324 B1 20100908; EP 2000324 B8 20110216; AT E480409 T1 20100915; DE 602007009067 D1 20101021; EP 2241451 A1 20101020; EP 2241451 B1 20120822; EP 2241452 A1 20101020; EP 2241452 B1 20120822; ES 2351883 T3 20110211; ES 2393179 T3 20121219; ES 2393537 T3 20121226

DOCDB simple family (application)
EP 07109633 A 20070605; AT 07109633 T 20070605; DE 602007009067 T 20070605; EP 10171332 A 20070605; EP 10171339 A 20070605; ES 07109633 T 20070605; ES 10171332 T 20070605; ES 10171339 T 20070605