

Title (en)  
Machine for inserting group of sheets into envelopes

Title (de)  
Maschine zum Einlegen von Gruppen von Bogen in Briefumschläge

Title (fr)  
Machine d'insertion des groupes de feuilles dans des enveloppes

Publication  
**EP 1334845 A1 20030813 (EN)**

Application  
**EP 03002711 A 20030206**

Priority  
IT BO20020070 A 20020208

Abstract (en)  
A machine for inserting sheets into envelopes, the machine includes sheets feeder means (D) for delivering the sheets on an underlying sliding surface (S); lugging means (T) disposed along said sliding surface and operated by a related endless conveying line (T1) to engage trailing edges of said sheets (F) to move said sheets toward a sheet inserting station (I) disposed along the sliding surface (S) downstream of said conveying line (T1), an envelope feeder (1) enclosing a stack (P) of envelopes, said envelope feeder being situated beside said sliding surface (S) and capable of removing continuously single envelopes (10) from the bottom of said stack (P) and feeding each single envelope to the inlet (A) of an additional conveying line (2), placing said single envelope (10) arranged in such a way that the back wall (11) of the envelope, to which the closing flap (13) of the envelope is hinged, faces downwards, so that the opening (12) for inserting the sheets (F) faces upwards and backwards, with respect to the inlet (A) of said additional conveying line (2), said additional conveying line (2) extending between said envelope feeder (1) and said sheet insertion station (I) an including gripping means (3) arranged stepwise and aimed at taking over each single envelope (10) still arranged in the same way, and at transferring each single envelope (10) to the sheet insertion station (I) in suitable advance relation with respect to the arrival of the respective sheets (F), while keeping the envelopes oriented in the same way, with the related back wall (11) and closing flap (13) turned downwards, so that the opening (12), through which the sheets (F) are to be inserted, is turned upwards, crosswise to the sliding surface (S). <IMAGE>

IPC 1-7  
**B43M 3/04**

IPC 8 full level  
**B43M 3/04** (2006.01)

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

Citation (search report)  
• [X] US 4577848 A 19860325 - HAMS KENNETH A [US]  
• [X] US 4939887 A 19900710 - HAAS DAVE [US], et al  
• [A] GB 1045672 A 19661012 - BLOCK & ANDERSON LTD  
• [A] US 5706636 A 19980113 - ECKL ROBERT [DE]

Cited by  
WO2011138447A1; WO2006013465A1; US9359095B2; US9493259B2; US9567122B2; US10173798B2; EP1622778B2

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

DOCDB simple family (publication)  
**EP 1334845 A1 20030813**; CA 2418684 A1 20030808; IT BO20020070 A0 20020208; IT BO20020070 A1 20030808;  
US 2003150194 A1 20030814

DOCDB simple family (application)  
**EP 03002711 A 20030206**; CA 2418684 A 20030207; IT BO20020070 A 20020208; US 36022403 A 20030207