

Title (en)  
APPARATUS FOR THE MANIPULATION OF POUCH ENVELOPES

Title (de)  
VORRICHTUNG ZUR MANIPULATION VON BEUTELHÜLLEN

Title (fr)  
APPAREIL POUR LA MANIPULATION D'ENVELOPPES À POCHE

Publication  
**EP 3680188 A1 20200715 (EN)**

Application  
**EP 19219797 A 20191227**

Priority  
IT 201900000046 A 20190103

Abstract (en)  
Apparatus for the manipulation of envelopes (4) having an opening (48) delimited by two free edges (19', 19"), comprising:- a first device (6) which is provided at a first station (33) and which comprises:- a gripping member (8) configured to grasp and hold, at one of said two free edges, a portion (17') of an envelope when it is arranged substantially horizontally,- means (32) for moving said gripping member (8) to open up said opening (48),- a pick-up and handling apparatus (50) comprising a transfer device (54) with a gripping head (66) for transferring an envelope from said first station to a second station (34), said gripping head comprising:- gripping means (72) for gripping a substantially horizontally arranged envelope at said first station and for holding it during its transfer to the second station,- spreading means (62) configured to fit into the opened opening (48) of said envelope and to maintain the free edges of said envelope spaced apart once said at least one envelope is dissociated from said gripping member (8) of the first device.

IPC 8 full level  
**B65B 43/30** (2006.01); **B31B 70/00** (2017.01); **B31D 5/00** (2017.01); **A47G 9/10** (2006.01)

CPC (source: EP)  
**B31B 70/003** (2017.07); **B31D 5/0078** (2013.01)

Citation (applicant)  
• US 3509689 A 19700505 - PERRIN HENRI  
• US 4687462 A 19870818 - REWITZER SIEGFRIED [DE]

Citation (search report)  
• [XYI] US 5305579 A 19940426 - KADER KARL-WILHELM [DE]  
• [Y] DE 2634754 B1 19771201 - BEHN VERPACKUNG ERWIN  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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