

Title (en)

Singulator device for postal objects with anti-slide function

Title (de)

Vereinzelervorrichtung für Postsendungen mit Gleitschutzfunktion

Title (fr)

Dispositif singulateur pour objets postaux doté d'une fonction anti-glisse

Publication

EP 2409785 A1 20120125 (EN)

Application

EP 10425245 A 20100721

Priority

EP 10425245 A 20100721

Abstract (en)

A singulator device for flat rectangular postal objects comprising: a resting surface (12,13) for the packs of postal objects; a motor-driven belt withdrawing device (19); a drawing system (15), which displaces the packs towards a plane gripping portion of said motor-driven belt withdrawing device (19) designed to withdraw individually a postal object that constitutes a front end face of the pack, displacing it in a direction transverse to the direction of drawing. The motor-driven belt withdrawing device (19) is coupled to a separator device (40), which moves between at least two positions, of which: a resting position, in which the separator device (40) does not interfere with the belt withdrawing device (19) and with the postal object during withdrawal from the pack by the withdrawing device (19); and an activation position, in which a mobile portion of the separator device extends beyond the plane gripping portion towards the pack of objects to come into contact with a rear portion of the postal object during withdrawal, moving it away from the belt withdrawing device (19) and preventing sliding of the rear portion on the belt.

IPC 8 full level

B07C 1/04 (2006.01); **B65H 3/04** (2006.01)

CPC (source: EP)

B07C 1/04 (2013.01); **B65H 3/045** (2013.01); **B65H 3/54** (2013.01); **B65H 2404/264** (2013.01); **B65H 2601/25** (2013.01); **B65H 2701/1916** (2013.01)

Citation (applicant)

- US 4634328 A 19870106 - CARRELL ROSS M [US]
- WO 9115416 A1 19911017 - SARNOFF DAVID RES CENTER [US]
- US 4171130 A 19791016 - BRUCHMANN WINFRIED [DE], et al
- DE 10140497 C1 20030313 - SIEMENS DEMATIC AG [DE]

Citation (search report)

- [XA] DE 10140497 C1 20030313 - SIEMENS DEMATIC AG [DE]
- [A] US 2003052444 A1 20030320 - LUEBBEN HAUKE [DE], et al
- [A] WO 9817560 A1 19980430 - BELL & HOWELL POSTAL SYSTEMS [US]

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CN109552872A

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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EP 10425245 A 20100721; PL 10425245 T 20100721