

Title (en)

Supply device with improved envelope separation

Title (de)

Zuführvorrichtung mit verbesserter Umschlagtrennung

Title (fr)

Dispositif d'alimentation à séparation d'enveloppes améliorée

Publication

**EP 2292540 B1 20120509 (FR)**

Application

**EP 10175370 A 20100906**

Priority

FR 0956092 A 20090908

Abstract (en)

[origin: EP2292540A1] The device has a clutch unit for actuating drive rollers that support a stack of mailpieces of various formats. An optical sensor detects passage of the mailpieces entering into a separation zone that individually selects the mailpieces. A control unit controls forced deactivation followed by an activation/deactivation series of the clutch unit as long as the sensor is not activated, to cause a rapid succession of horizontal movements generating jerky motion on the stack of mailpieces for facilitating mutual separation of the mailpieces. An independent claim is also included for a method for controlling a clutch unit for actuating drive rollers supporting a stack of mailpieces.

IPC 8 full level

**B65H 3/60** (2006.01); **B65H 1/06** (2006.01); **B65H 3/06** (2006.01); **B65H 7/18** (2006.01)

CPC (source: EP US)

**B65H 1/06** (2013.01 - EP US); **B65H 3/063** (2013.01 - EP US); **B65H 3/60** (2013.01 - EP US); **B65H 7/18** (2013.01 - EP US); **B65H 2301/4493** (2013.01 - EP US); **B65H 2403/72** (2013.01 - EP US); **B65H 2511/414** (2013.01 - EP US); **B65H 2511/51** (2013.01 - EP US); **B65H 2513/512** (2013.01 - EP US); **B65H 2553/412** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US)

Cited by

EP3050831A1; US9745159B2

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

DOCDB simple family (publication)

**EP 2292540 A1 20110309**; **EP 2292540 B1 20120509**; AT E556967 T1 20120515; FR 2949769 A1 20110311; FR 2949769 B1 20110930; US 2011060453 A1 20110310; US 8594837 B2 20131126

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**EP 10175370 A 20100906**; AT 10175370 T 20100906; FR 0956092 A 20090908; US 87484110 A 20100902