

Title (en)
DEVICE FOR UNSTACKING MULTIMODAL POSTAL ITEMS

Title (de)
VORRICHTUNG ZUR ENTSTAPELUNG MULTIMODALER POSTSENDUNGEN

Title (fr)
DISPOSITIF DE DÉPILAGE D'ENVOIS POSTAUX MULTI-MODES

Publication
EP 2222586 A2 20100901 (FR)

Application
EP 08864676 A 20081202

Priority
• FR 2008052182 W 20081202
• FR 0760097 A 20071220

Abstract (en)
[origin: WO2009080929A2] Device for unstacking multimodal postal items. A device for unstacking postal items comprises a feeder magazine (1) which moves the items (3) in a stack on edge in a certain direction (6) towards an unstacking head (5). Material sensors (28, 29) are provided to supply signals (S) indicating whether an ordinary item has a plastic envelope and/or comprises a metallic material. A control unit (13) forces the feeder magazine and the unstacking head to operate on the basis of the signals produced by the sensors, so that the items arrive facing the unstacking head in a slightly rearwardly inclined position. Figure to be published: Figure 2

IPC 8 full level
B65H 1/02 (2006.01); **B07C 1/00** (2006.01); **B65H 3/12** (2006.01); **B65H 3/48** (2006.01)

CPC (source: EP US)
B07C 1/02 (2013.01 - EP US); **B65H 1/025** (2013.01 - EP US); **B65H 3/124** (2013.01 - EP US); **B65H 3/48** (2013.01 - EP US); **B65H 2511/214** (2013.01 - EP US); **B65H 2511/414** (2013.01 - EP US); **B65H 2513/10** (2013.01 - EP US); **B65H 2515/20** (2013.01 - EP US); **B65H 2515/60** (2013.01 - EP US); **B65H 2515/70** (2013.01 - EP US); **B65H 2553/24** (2013.01 - EP US); **B65H 2553/41** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US)

Citation (search report)
See references of WO 2009080929A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
FR 2925474 A1 20090626; FR 2925474 B1 20091127; AT E509872 T1 20110615; EP 2222586 A2 20100901; EP 2222586 B1 20110518; ES 2363597 T3 20110810; JP 2011506092 A 20110303; JP 5376537 B2 20131225; PT 2222586 E 20110718; US 2010329833 A1 20101230; US 8235377 B2 20120807; WO 2009080929 A2 20090702; WO 2009080929 A3 20090820

DOCDB simple family (application)
FR 0760097 A 20071220; AT 08864676 T 20081202; EP 08864676 A 20081202; ES 08864676 T 20081202; FR 2008052182 W 20081202; JP 2010538855 A 20081202; PT 08864676 T 20081202; US 44605708 A 20081202