

Title (en)  
DEVICE FOR FEEDING FLAT OBJECTS AND POSTAL SORTING MACHINE

Title (de)  
VORRICHTUNG ZUR FÖRDERUNG FLACHER OBJEKTE UND MASCHINE ZUM SORTIEREN VON POSTSENDUNGEN

Title (fr)  
DISPOSITIF D'ALIMENTATION EN OBJETS PLATS ET MACHINE DE TRI POSTAL

Publication  
**EP 2550216 B1 20141112 (FR)**

Application  
**EP 11713009 A 20110315**

Priority  
• FR 1052151 A 20100325  
• FR 2011050517 W 20110315

Abstract (en)  
[origin: WO2011117508A1] The invention relates to a device for feeding flat objects, comprising a store (1) for supplying flat objects that are moved in a manner stacked on edge in a first transfer direction (A), a means (3) for separating the uppermost flat object from the stack in order to drive it in a second, perpendicular transfer direction (B), an unstacking means (10) that takes hold of the unstacked flat object in order to move it in said second transfer direction (B) to the inlet of a conveyor and a retaining means (13) that exerts a retaining force in the opposite direction to the movement of the flat object in the direction of the conveyor, said unstacking means being offset from said separating means by a distance at least equal to the maximum length of a flat object, and the retaining means being provided opposite the unstacking means. The invention also relates to a postal sorting machine having such a feeding device.

IPC 8 full level  
**B65H 3/52** (2006.01); **B65H 3/12** (2006.01); **B65H 3/46** (2006.01)

CPC (source: EP US)  
**B65H 3/124** (2013.01 - EP US); **B65H 3/46** (2013.01 - EP US); **B65H 3/52** (2013.01 - EP US); **B65H 2301/22** (2013.01 - EP US); **B65H 2301/321** (2013.01 - EP US); **B65H 2406/31** (2013.01 - EP US); **B65H 2406/351** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**WO 2011117508 A1 20110929**; AU 2011231435 A1 20120906; AU 2011231435 B2 20140508; DK 2550216 T3 20150202; EP 2550216 A1 20130130; EP 2550216 B1 20141112; FR 2957906 A1 20110930; FR 2957906 B1 20120518; PT 2550216 E 20141229; RU 2012145347 A 20140427; RU 2524243 C2 20140727; US 2012013064 A1 20120119; US 8480072 B2 20130709

DOCDB simple family (application)  
**FR 2011050517 W 20110315**; AU 2011231435 A 20110315; DK 11713009 T 20110315; EP 11713009 A 20110315; FR 1052151 A 20100325; PT 11713009 T 20110315; RU 2012145347 A 20110315; US 201113142117 A 20110315