

Title (en)

DEVICE AND METHOD FOR SUCCESSIVELY COLLECTING TRANSPORTED FLAT OBJECTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SAMMELN AUF EINANDERFOLGEND ZUGE FÜHRTER FLACHER GEGENSTÄNDE

Title (fr)

PROCEDE ET INSTALLATION POUR REGROUPER DES OBJETS PLATS TRANSPORTES DE MANIERE SUCCESSIVE

Publication

EP 1633667 A1 20060315 (DE)

Application

EP 04741225 A 20040723

Priority

- EP 2004008213 W 20040723
- DE 10335418 A 20030802

Abstract (en)

[origin: US2006157920A1] The invention relates to a device and a method for collecting successively fed flat objects, in particular sheets. The device contains a blocker having at least one movable blocking element for stopping and subsequently releasing a certain number of objects fed, wherein the blocking element is a rotational body rotatable by a motor around its middle axis which, at its exterior periphery, has at least one reception for stopping the front edges of the objects fed in an idle position of the rotational body and for its deflection when turning the rotational body, and wherein at least one transport element for advancing the objects deflected when turning the rotational body is associated to the rotational body.

IPC 1-7

B65H 39/10; **B65H 31/34**; **B65H 31/32**

IPC 8 full level

B65H 5/24 (2006.01); **B65H 29/64** (2006.01); **B65H 29/66** (2006.01); **B65H 31/32** (2006.01); **B65H 31/34** (2006.01); **B65H 39/10** (2006.01)

CPC (source: EP US)

B65H 29/64 (2013.01 - EP US); **B65H 29/66** (2013.01 - EP US); **B65H 31/32** (2013.01 - EP US); **B65H 31/34** (2013.01 - EP US); **B65H 39/10** (2013.01 - EP US); **B65H 2301/4213** (2013.01 - EP US); **B65H 2301/4226** (2013.01 - EP US)

Citation (search report)

See references of WO 2005016808A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2006157920 A1 20060720; **US 7581726 B2 20090901**; AT E346008 T1 20061215; DE 10335418 B3 20041202; DE 502004002104 D1 20070104; EP 1633667 A1 20060315; EP 1633667 B1 20061122; ES 2275227 T3 20070601; WO 2005016808 A1 20050224

DOCDB simple family (application)

US 32625106 A 20060105; AT 04741225 T 20040723; DE 10335418 A 20030802; DE 502004002104 T 20040723; EP 04741225 A 20040723; EP 2004008213 W 20040723; ES 04741225 T 20040723