

Title (en)
METHOD AND DEVICE for PACKAGING FLAT OBJECTS

Title (de)
VERFAHREN UND EINRICHTUNG ZUR VERPACKUNG VON FLACHEN OBJEKTEN

Title (fr)
PROCEDE ET DISPOSITIF POUR EMBALLER DES OBJETS PLATS

Publication
EP 1751002 A1 20070214 (DE)

Application
EP 05737457 A 20050519

Priority
• CH 2005000278 W 20050519
• CH 9312004 A 20040602

Abstract (en)
[origin: WO2005118400A1] In order to package flat objects (1) with the aid of a quasi-endless packaging material web, the packaging material web is placed around a row (4) of the objects (1), in which these objects are conveyed one after the other and in an interspaced manner, whereupon longitudinal seams are made in the packaging material web and transversal seams are made between the objects (1) whereby separating the packaged objects from one another. In contrast to prior art packaging methods during which the row is formed before the packaging material web is fed thereto, the invention provides that the row is directly formed on the packaging material web (2) during which the objects are, by acceleration, separated out from a supply stream (3), in which they are fed while overlapping one another, and directly placed upon or pushed onto the packaging material web (2). Forming the row (4) directly on the packaging material web (2) eliminates additional conveying steps whereby shortening the entire required conveyor lines and rendering stabilizing means for stabilizing the objects (1) during conveyance unnecessary thus leading to very compact and simple packaging devices. The packaging method is particularly suited for packaging objects that consist of a number of stacked printed products or other flat articles.

IPC 8 full level
B65B 9/087 (2012.01); **B65B 25/14** (2006.01); **B65H 29/66** (2006.01)

CPC (source: EP US)
B65B 9/02 (2013.01 - EP US); **B65B 9/067** (2013.01 - EP US); **B65B 25/14** (2013.01 - EP US); **B65H 29/042** (2013.01 - EP US); **B65H 29/6654** (2013.01 - EP US); **B65B 25/002** (2013.01 - EP US); **B65H 2301/3422** (2013.01 - EP US); **B65H 2301/431** (2013.01 - EP US); **B65H 2301/4451** (2013.01 - EP US); **B65H 2301/44712** (2013.01 - EP US); **B65H 2301/4473** (2013.01 - EP US); **B65H 2511/22** (2013.01 - EP US)

Citation (search report)
See references of WO 2005118400A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005118400 A1 20051215; AT E388892 T1 20080315; AT E467564 T1 20100515; AU 2005249619 A1 20051215; AU 2005249619 B2 20101118; CA 2568517 A1 20051215; DE 502005003209 D1 20080424; EP 1751002 A1 20070214; EP 1751002 B1 20080312; EP 1914165 A1 20080423; EP 1914165 B1 20100512; ES 2302196 T3 20080701; JP 2008501581 A 20080124; JP 4814225 B2 20111116; RU 2006146526 A 20080720; RU 2390481 C2 20100527; US 2009255219 A1 20091015; US 2010300047 A1 20101202; US 7757461 B2 20100720; US 7877965 B2 20110201

DOCDB simple family (application)
CH 2005000278 W 20050519; AT 05737457 T 20050519; AT 08002613 T 20050519; AU 2005249619 A 20050519; CA 2568517 A 20050519; DE 502005003209 T 20050519; EP 05737457 A 20050519; EP 08002613 A 20050519; ES 05737457 T 20050519; JP 2007513643 A 20050519; RU 2006146526 A 20050519; US 56988505 A 20050519; US 82612610 A 20100629