

Title (en)

Method and machine for separating blanks for cardboard boxes

Title (de)

Verfahren und Vorrichtung zum Trennen von geschnittenem Material für Pappschachteln

Title (fr)

Méthode et appareil de séparation de flans pour boîtes en carton

Publication

EP 1129843 B1 20040915 (EN)

Application

EP 00200767 A 20000303

Priority

EP 00200767 A 20000303

Abstract (en)

[origin: EP1129843A1] The invention relates to a method and device separating blanks for cardboard boxes, in particular packaging boxes, from unbroken board sheets. The breaking means are used to break the unbroken sheets into separate blanks. Prior to this breaking operation, the unbroken sheets are stacked to form a stack of sheets (3,4). After unbroken sheets have been stacked to form a stack of sheets and prior to the breaking operation, a partial stack (6) of unbroken sheets is removed from the stack of sheets. The partial stack of sheets can be broken into separate partial stacks (28,29) of blanks without being unstacked. The invention also relates to a gripper (5) for removing partial stacks of unbroken sheets from the stack of sheets (4). <IMAGE>

IPC 1-7

B31B 1/74; **B26D 7/18**; **B65H 3/32**

IPC 8 full level

B26D 7/18 (2006.01); **B31B 1/74** (2006.01); **B65H 3/32** (2006.01)

CPC (source: EP)

B26D 7/1827 (2013.01); **B65H 3/322** (2013.01); **B65H 31/3063** (2013.01); **B31B 50/002** (2017.07); **B31B 50/06** (2017.07)

Cited by

US2017121045A1; US9315343B1; ITPI20090022A1; CN108582230A; US10501221B2; WO2021233592A1; WO2021233593A1

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 1129843 A1 20010905; **EP 1129843 A8 20020116**; **EP 1129843 B1 20040915**; DE 60013759 D1 20041021; DE 60013759 T2 20050929; ES 2226698 T3 20050401

DOCDB simple family (application)

EP 00200767 A 20000303; DE 60013759 T 20000303; ES 00200767 T 20000303