

Title (en)

Method and device for the breaking of partly cut and the subsequent stacking of flat objects, preferably double bags, made from plastic.

Title (de)

Verfahren und Vorrichtung zum Durchtrennen und anschliessendem Stapeln von flachen Gegenständen, vorzugsweise Doppelbeuteln, aus Kunststoff.

Title (fr)

Procédé et dispositif pour rompre et par la suite empiler des objets plats partiellement coupés, notamment des sacs doubles fabriqués à partir de feuilles en plastique.

Publication

EP 0266575 A1 19880511 (DE)

Application

EP 87114651 A 19871007

Priority

DE 3637491 A 19861104

Abstract (en)

[origin: US4878888A] A process of severing and subsequently stacking web section is disclosed, which in their central portions are provided with locating holes and preferably consist of double bags which have been severed from a tubular or semitubular, continuous plastic film web and are closed by hot-wire welding and have opening-defining edges. The web sections are delivered by a delivering means preferably consisting of a so-called wicketer having pairs of inner and outer wicketer arms, which are arranged in a starlike array and rotate about a horizontal axis, the web sections are deposited by said delivering means in a stacking station into a stacking conveyor, which consists of endless tensile elements, which are trained around reversing pulleys or rollers and are intermittently driven and provided with upstanding stacking pins. The stacks formed by the web sections placed on the stacking pins are intermittently carried off by an intermittent advance of the tensile elements. The web sections or the tubular or semitubular continuous web have or has been perforated on or adjacent to the longitudinal center line of each web section or of the web. Only one tear-off perforation line is provided and is severed while the web sections are being transported by the delivery means or the wicketer arms and before the web sections are placed on the stacking pins. Said severing is effected in that the web sections are subjected to tension by or are beaten against a severing edge or a severing wire or the like.

Abstract (de)

Von einer Kunststoffschlauchbahn (16) abgeschweißte Doppelbeutel mit im Bereich von deren Mittellinie liegenden Öffnungsrandern werden zum Zwecke ihres Stapelns von den Transportarmen (4) eines sogenannten Wicketers übernommen und in einer Stapelstation auf einem Stapelförderer (5, 6) mit aufragenden Stapelstiften (10) abgelegt. Nach Bilden eines Stapels wird der Stapelförderer intermittierend weitergeschaltet. Um in einfacher Weise Beutelstapel bilden zu können, die aus mittig getrennten Doppelbeuteln bestehen, weisen die Bahnabschnitte oder die Schlauchbahn im Bereich ihrer Längsmittellinie eine Abreißperforationslinie auf. Diese Abreißperforationslinie wird während des Transports auf den Wicketerarmen vor dem Aufnadeln auf die Stapelstifte durch Ziehen oder Schlagen über eine Trennkante, einen Trenndraht (15) o.dgl. durchtrennt.

IPC 1-7

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IPC 8 full level

B31B 19/98 (2006.01); **B65H 29/40** (2006.01)

CPC (source: EP US)

B65H 29/40 (2013.01 - EP US); **B31B 70/984** (2017.07 - EP US); **B65H 2301/4212** (2013.01 - EP US); **B65H 2404/6551** (2013.01 - EP US); **B65H 2701/1212** (2013.01 - EP US); **B65H 2701/191** (2013.01 - EP US)

Citation (search report)

- US 3805683 A 19740423 - HOOK C
- US 4529114 A 19850716 - CASPER MARK S [US], et al

Designated contracting state (EPC)

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DOCDB simple family (application)

EP 87114651 A 19871007; DE 3637491 A 19861104; DK 571187 A 19871030; FI 874858 A 19871104; NO 874544 A 19871102; US 11491987 A 19871030