

Title (en)

DEVICE FOR WRAPPING A STACK OF GOODS

Title (de)

VORRICHTUNG ZUM UMHÜLLEN EINES GUTSTAPELS

Title (fr)

DISPOSITIF PERMETTANT D'ENROBER UNE PILE D'ARTICLES

Publication

**EP 1353847 A1 20031022 (DE)**

Application

**EP 02714101 A 20020123**

Priority

- DE 20101909 U 20010125
- EP 0200633 W 20020123

Abstract (en)

[origin: US2004107677A1] The invention relates to a device for wrapping a stack of goods (1) with a section of a film (3) that is gathered, stretched and put over the stack on a gathering device (2). Said gathering device (2) has at least two gathering fingers (5) and at least one roller arrangement (4) on at least one connecting line between two adjacent gathering fingers (5). The roller arrangement consists of a gathering wheel (6) which is in contact with the exterior of the section of the film and of a counter-roller (7) which is in contact with the interior of the section of the film, and clamps the section of film between itself and the gathering wheel for the purpose of conveying it. In order to obtain a crease structure that points evenly downward and outward at an angle, the axes of rotation (8, 9) of the respective gathering wheel and the counter-roller of at least one roller arrangement should be disposed in such a manner that the tangent (10) in the respective point of contact (11) of the corresponding gathering wheel and of the associated counter-roller of the roller arrangement also points downward and outward at an angle.

IPC 1-7

**B65B 9/13**

IPC 8 full level

**B65B 9/13** (2006.01)

CPC (source: EP US)

**B65B 9/135** (2013.01 - EP US)

Citation (search report)

See references of WO 02058997A1

Cited by

CZ299954B6; DE202007018900U1; EP2060492A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**US 2004107677 A1 20040610; US 6865865 B2 20050315;** AT E328795 T1 20060615; CN 1253349 C 20060426; CN 1498180 A 20040519; CZ 20032268 A3 20040114; CZ 299954 B6 20090107; DE 20101909 U1 20020613; DE 50207102 D1 20060720; DK 1353847 T3 20061009; EP 1353847 A1 20031022; EP 1353847 B1 20060607; MX PA03006694 A 20031024; PL 205627 B1 20100531; PL 363318 A1 20041115; WO 02058997 A1 20020801

DOCDB simple family (application)

**US 47018503 A 20030724;** AT 02714101 T 20020123; CN 02806886 A 20020123; CZ 20032268 A 20020123; DE 20101909 U 20010125; DE 50207102 T 20020123; DK 02714101 T 20020123; EP 0200633 W 20020123; EP 02714101 A 20020123; MX PA03006694 A 20020123; PL 36331802 A 20020123