

Title (en)

Method and device for treating printed products such as newspapers, magazines and the like arriving in a shingled formation.

Title (de)

Verfahren und Vorrichtung zum Verarbeiten von in Schuppenformation anfallenden Druckereierzeugnissen, wie Zeitungen, Zeitschriften und dergleichen.

Title (fr)

Procédé et dispositif pour traiter des produits imprimés, comme journaux, magazines et analogues, arrivant en formation imbriquée.

Publication

**EP 0243753 A1 19871104 (DE)**

Application

**EP 87105246 A 19870409**

Priority

CH 173086 A 19860428

Abstract (en)

[origin: EP0243753B1] 1. An installation for processing printed products (14) such as newspapers, journals and the like arriving in an imbricated formation (S), comprising a winding station (1), at the winding point (2) of which the imbricated formation (S) is wound together with a winding band (7) under tensile stress around a cylindrical winding core (4) rotatable about a substantially horizontal axis (4a) with one of its flat sides facing this winding core (4) to form wound packages (W1 ...W4 ) and comprising a transportation device (17) for carrying away the finished wound packages <W1 ...W4 ) from the winding point (2), characterized by a loading station (15) for loading a first portable base (16) with a plurality of approximately uniformly large wound packages (W1 ...W4 ) formed at the winding point (2), which wound packages (W1 ... W4 ) are arranged in succession with their longitudinal axes (4a) disposed in a substantially horizontal direction next to each other on the base (16), by a tilting device (22) with two supports (23, 24) approximately at right angles to each other, which can be swivelled together by 90 degrees about a substantially horizontal axis (29a) and of which one support (23) is constructed to receive a first base (16) loaded with wound packages (W1 ...W4 ) before swivelling and of which the other support (24) is constructed to receive a second portable, empty base (33) for taking over the wound packages (W1 ...W4 ) after swivelling, by first transportation means (17) for bringing the first loaded base (16) away from the loading station (15) to the tilting device (22) and by second transportation means for carrying away the second base (33) loaded with the wound packages (W1 ...W4 ) after swivelling of the tilting device (22), on which second base (33) the wound packages (W1 ...W4 ) lie on top of each other with their longitudinal axes (4a) running substantially vertically an with their ends adjacent each other.

Abstract (de)

Eine mit mehreren nebeneinander angeordneten Wickeln (W1, W2, W3, W4) beladene Palette (l6) wird mittels einer Kippeinrichtung (22) um 90 o um eine horizontale Achse (29a) gekippt. Dabei werden die mit sich in horizontaler Richtung erstreckenden, miteinander fluchtenden Längsachsen (4a) angeordneten gleich grossen Wickel (W1...W4) in eine Lage gebracht, in der sie einen Turm bildend aufeinanderliegen, so dass sie deren Längsachsen (4a) in vertikaler Richtung erstrecken. Die aufeinanderliegenden Wickel (W1...W4) werden im Zuge des Kippens wieder auf eine Palette (33) aufgelegt, welche vor dem Kippen seitlich an die nebeneinanderliegenden Wickel (W1...W4) angelegt wird.

IPC 1-7

**B65H 39/14**; **B65H 29/00**

IPC 8 full level

**B65H 5/24** (2006.01); **B65H 5/28** (2006.01); **B65H 16/00** (2006.01); **B65H 18/28** (2006.01); **B65H 29/00** (2006.01); **B65H 29/51** (2006.01); **B65H 39/14** (2006.01)

CPC (source: EP US)

**B65H 5/24** (2013.01 - EP US); **B65H 5/28** (2013.01 - EP US); **B65H 29/006** (2013.01 - EP US); **B65H 29/66** (2013.01 - EP US); **B65H 2301/3251** (2013.01 - EP US); **B65H 2301/41922** (2013.01 - EP US); **B65H 2701/1932** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US)

Citation (search report)

- [YD] CH 559691 A5 19750314 - BURDA FARBEN KG
- [Y] DE 941600 C 19560412 - SIEMAG SIEGENER MASCH BAU

Cited by

EP0253960B1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0243753 A1 19871104**; **EP 0243753 B1 19900704**; AT E54290 T1 19900715; CA 1325784 C 19940104; DE 3763524 D1 19900809; ES 2016298 B3 19901101; FI 84587 B 19910913; FI 84587 C 19911227; FI 871833 A0 19870427; FI 871833 A 19871029; JP 2759648 B2 19980528; JP 2796965 B2 19980910; JP H09194096 A 19970729; JP S62255349 A 19871107; SU 1584747 A3 19900807; US 4925120 A 19900515

DOCDB simple family (application)

**EP 87105246 A 19870409**; AT 87105246 T 19870409; CA 535661 A 19870427; DE 3763524 T 19870409; ES 87105246 T 19870409; FI 871833 A 19870427; JP 13297 A 19970106; JP 6550787 A 19870319; SU 4202137 A 19870318; US 28178488 A 19881209