Title (en)

Method for packaging a packed item and packaging for a packed item

Title (de)

Verfahren zum Verpacken eines Packgutes und Verpackung für ein Packgut

Title (fr)

Procédé d'emballage d'un produit d'emballage et emballage pour un produit d'emballage

Publication

EP 2433874 A1 20120328 (DE)

Application

EP 10180327 A 20100927

Priority

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Abstract (en)

The method comprises providing a support element (2) such as a pallet to carry a packaged material (1), placing a first packaging material sheet (3) on the support element, placing the packaged material on the first packaging material sheet in such a way that a portion of the first packaging material sheet lies between the support element and the packaged material and that the first packaging material sheet lies over the packaged material, and placing a second packaging material sheet (6) on a top surface of the packaged material. The method comprises providing a support element (2) such as a pallet to carry a packaged material (1), placing a first packaging material sheet (3) on the support element, placing the packaged material on the first packaging material sheet in such a way that a portion of the first packaging material sheet lies between the support element and the packaged material and that the first packaging material sheet lies over the packaged material, placing a second packaging material sheet (6) on a top surface of the packaged material in such a way that the second packaging material sheet lies over the packaged material, and connecting the first packaging material sheet with the second packaging material sheet, where the first packaging material sheet and the second packaging material sheets are releasably adhesively connected in a particular predetermined first region along a periphery of the support element. The first and second material sheets are releasably connected in a particular predetermined second region along the periphery of the support element in such a way that the first and second material sheets are connected in the second region without destroying the packaging of each other. The method is carried out in the respective first region and in the respective second region around edge areas of the first and second material sheets. A part (5a, 5b, 5c, 5d) of the first material sheet protruding over the packaged material is folded back from the support element towards the side surfaces facing away from the packaged material, where a bottom surface of first material sheet in the first and second regions is brought into contact with a bottom surface of the second material sheet in an overlapping manner during the connection of the first sheet with the second sheet. A part of the first sheet protruding over the packaged material is folded back from the packaged material towards the side surfaces facing away from the support element, where a top surface of the first sheet in the first and second regions is brought into contact with a lower surface of the second sheet in an overlapping manner during the connection of the first sheet with the second sheet. The first packing material sheets along the second portion of the periphery of the support element is connected to the side surfaces of the support element or the first sheet and the second sheet along the second portion of the periphery of the support element are connected to the side surfaces of the support element. The first sheet along the first portion of the periphery of the supporting element is connected to the side surfaces of the supporting element. The first sheet is stitched to the side surfaces of the support element using a mandrel or is attached by staples or the first and the second sheets are stitched together with the side surfaces of the support element using the mandrel or attached using staples, where the sheet materials are joined along the second periphery of the support element. The first and second sheets are joined together: along the second portion of the periphery of the support member by welding; and by connecting along the first region and along the second region or substantially along the entire periphery of the support element. A double-sided adhesive tape is applied in the respective first region on the first sheet or the second sheet for adhesive bonding along the first region. The first sheet and/or the second sheet is coated with an adhesive in the respective first region or formed as self-adhesive for adhesive bonding along the first region of the periphery of the support element. Air-and moisture-proof is included in the packaged materials after bonding the first and second sheets on all sides. A moisture-binding substance and/or volatile corrosion inhibiting chemical is introduced between the packaged materials and the first sheet and/or between the packaged materials and the second sheet at a storage temperature of the packaged materials and/or the first and/or the second sheets facing the packaged materials on a surface is partially provided with the moisture-binding substance and/or corrosion inhibiting chemical. An independent claim is included for a package for a packaged material.

Abstract (de)

Die Erfindung bezieht sich auf ein Verfahren zum Verpacken eines Packgutes (1; 1'), insbesondere eines mit mehreren Gutstücken (1a; 1a') gebildeten Gutstapels. In einem ersten Schritt wird ein Tragelement (2; 2'), insbesondere eine Palette, zum Tragen des Packgutes bereitgestellt. In einem weiteren Schritt wird ein erster Packmaterialbogen (3; 3') auf das Tragelement aufgelegt. Das Packgut wird auf dem ersten Packmaterialbogen (3; 3') in der Weise angeordnet, dass ein Abschnitt (4) des ersten Packmaterialbogens zwischen dem Tragelement und dem Packgut zu liegen kommt. Hierbei steht der erste Packmaterialbogen (3; 3') über das Packgut (1; 1') über. In einem folgenden Schritt wird ein zweiter Packmaterialbogen (6; 6') auf eine Oberseite (7; 7') des Packgutes derart aufgelegt, dass der zweite Packmaterialbogen ebenfalls über das Packgut übersteht. Daraufhin erfolgt ein bereichsweises Verbinden des ersten Packmaterialbogens mit dem zweiten Packmaterialbogen. Dabei werden der erste und der zweite Packmaterialbogen in einem jeweiligen vorbestimmten ersten Bereich (14; 14') entlang eines ersten Abschnitts (11) eines Umfangs des Tragelements haftend lösbar und insbesondere wiederverbindbar verbunden. Darüber hinaus werden der erste und der zweite Packmaterialbogen in einem jeweiligen vorbestimmten zweiten Bereich (15; 15') entlang eines zweiten Abschnitts (12) des Umfangs des Tragelements derart verbunden, dass der erste und der zweite Packmaterialbogen in dem zweiten Bereich (15; 15') nicht ohne Zerstören der Verpackung voneinander lösbar sind. Die Erfindung betrifft ferner eine Verpackung für ein Packgut (1; 1').

IPC 8 full level

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Citation (applicant)

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Citation (search report)

- [A] EP 0249534 A1 19871216 - NEWTEC INT [FR]
- [A] DE 602004007049 T2 20080228 - THIMON [FR]
- [AD] DE 3521416 A1 19861218 - MSK VERPACKUNG SYST GMBH [DE]

- [A] FR 2161527 A7 19730706 - APPLIC THERMIQUES

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