

Title (en)
A METHOD FOR MANUFACTURING A BAG FOR HYGIENE PRODUCTS

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES BEUTELS FÜR HYGIENEPRODUKTE

Title (fr)
PROCÉDÉ DE FABRICATION D'UN SAC POUR DES PRODUITS D'HYGIÈNE

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Application
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Abstract (en)

A method for manufacturing a bag with channels comprising tapes enabling the closure of the bag, in which a continuous package material (1) comprising a central portion (2) and side portions (3) is supplied (101) in the operating direction of the production line A with the preliminary formation (102) of channels (5) intended for the tapes (4) by folding the package material (1) in such a manner that, in a cross-section relative to the operating direction of the production line A, the package material (1) takes on a shape resembling the letter M, in which the central portion (2) constitutes the inclined arms of the letter M connected in its lower vertex, the channels (5) being defined by spaces between the side portions (3) and the central portion (2), or folding the package material (1) in such a manner that, in a cross-section relative to the operating direction of the production line A, the package material (1) takes on a shape resembling the letter M, in which the central portion (2) constitutes the inclined arms of the letter M connected in its lower vertex, and by at least partial overlapping of the outer surfaces of the free ends of the package material (1) along the operating direction of the production line by strips (6) made of a material thermally compatible with the package material (1), the channels (5) being defined by spaces between layers of the package material (1) and the strips (6), or folding the package material (1) in the central portion (2) along a fold line B extending in the operating direction of the production line A, in such a manner that the folded layers of the package material (1) are arranged substantially parallel relative to each other, and at least partial overlapping of the outer surfaces of layers of the package material (1) along the operating direction of the production line by strips (6) made of a material thermally compatible with the package material (1), the channels (5) being defined by spaces between layers of the package material (1) and the strips (6). Subsequently, the openings (7) are cut out (103) in the package material (1) next to the preliminarily formed channels (5), upon which the tape (4) made of a material thermally compatible with the package material (1) is introduced (104) into each of the preliminarily formed channels (5) in the operating direction of the production line A with the positioning (105) of the tapes (4) in the channels (5) next to the cut out openings (7). This is followed by final formation (106) of the channels (5) by welding combined or overlapping layers of the package material (1) in the operating direction of the production line A, with the formation of (107) individual bags by welding the package material (1) in a cross direction relative to the operating direction of the production line A and cutting off (108) the individual bags (12) from each other. A method for manufacturing a bag with channels comprising tapes enabling the closure of the bag, in which a continuous package material (1) comprising a central portion (2) and side portions (3) is supplied (201) in the operating direction of the production line A, and the tapes (4) are placed (202) next to the central portion (2) of the package material 1, near the side portions (3) in the operating direction of the production line A. This is followed by the preliminary formation (203) of channels (5) intended for the tapes by folding the side portions of the package material (1), in such a manner that the tapes (4) are placed in spaces between the central portion (2) and the side portions (3). Subsequently, the package material (1) is folded (204) in the central portion (2) along the fold line B extending in the operating direction of the production line A, in such a manner that the folded layers of the package material (1) are arranged substantially parallel relative to each other, upon which the openings (7) are cut out (205) in the package material (1) next to the preliminarily formed channels (5) above or below the tapes (4). In the next step, the tapes (4) are positioned (206) in the preliminarily formed channels (5) next to the openings (7). This is followed by final formation (207) of the channels (5) by welding the folded side portions (3) of the package material (1) to the central portion (2) in the operating direction of the production line A near the free edges of the side portions (3), in such a manner that the tapes (4) are freely positioned in the channels (5). Subsequently, individual bags (12) are formed (208) by welding the package material (1) in a cross direction relative to the operating direction of the production line A, and the individual bags (12) are cut off (209) from each other.

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Citation (applicant)

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