

Title (en)  
HANDLING DEVICE AND METHOD FOR HANDLING AN UNCLOSED FOLDING BOX AND FOR HANDLING PIECE GOODS TO BE PLACED INTO THE FOLDING BOX

Title (de)  
HANDHABUNGSVORRICHTUNG UND VERFAHREN ZUM HANDHABEN EINER UNVERSCHLOSSENEN FALTSCHACHTEL UND ZUM HANDHABEN VON IN DIE FALTSCHACHTEL EINZULEGENDEN STÜCKGÜTEN

Title (fr)  
DISPOSITIF ET PROCÉDÉ DE MANIPULATION D'UNE BOÎTE PLIANTE NON FERMÉE ET DE MANIPULATION D'UN ARTICLE À PLACER DANS LA BOÎTE PLIANTE

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Abstract (en)  
[origin: WO2015036298A1] The invention relates to a handling device, comprising a folding-box lifting station (1) for lifting an unclosed folding box (2), wherein the folding-box lifting station (1) comprises at least one suction gripper (4) for attaching to a folding-box surface (6) formed by a lid (29) of the folding box (2), wherein a suction force directed perpendicularly to the folding-box surface (6) can be applied to the folding-box surface (6) by means of the suction gripper (4), and comprising a gripping station (3) for gripping piece goods (28) to be positioned in the folding box (2), wherein the gripping station (3) comprises at least one gripping element (7a, 7b), which forms a supporting surface for the folding box (2) by means of one of the lateral surfaces (8) of the at least one gripping element during the lifting of the unclosed folding box (2), wherein a pressure force can be applied perpendicularly to the direction of the suction force of the suction gripper (4) to a side wall (9) of the folding box (2) arranged perpendicularly to the folding-box surface (6) of the lid (29) by means of the lateral surface (8) of the gripping element (7a, 7b) during the lifting of the unclosed folding box (2).

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