

Title (en)
APPARATUS AND METHOD FOR TRANSFERRING FLEXIBLE FLAT OBJECTS

Title (de)
VORRICHTUNG UND VERFAHREN ZUM TRANSFER VON FLEXIBLEN FLACHEN GEGENSTÄNDEN

Title (fr)
DISPOSITIF ET PROCÉDÉ DE TRANSFERT D'OBJETS PLATS FLEXIBLES

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Abstract (en)
[origin: WO2010072006A1] The invention relates to an apparatus and to a method for transferring flexible flat objects (2, 2'), in particular printed products, between two conveyers. The apparatus comprises a first gripper conveyor (10) having first grippers (12) moved along a first gripper conveying path (U1) for the substantially suspended transport of the objects (2, 2') in a conveyor device (F) by seizing a first object edge (3, 3'), a second gripper conveyor (20) having second grippers (22) moved along a second gripper conveying path (U2) for receiving the objects (2, 2') by seizing a second object edge (4, 4') located opposite of the first object edge (3, 3'), at least one actuating apparatus (40, 50) for opening and closing the first and second grippers (12, 22) such that a transfer of the objects (2, 2') from the first grippers (12) to the second grippers (22) can take place in a transfer region (T). According to a first concept of the invention, at least one auxiliary conveyor (70) comprising auxiliary grippers (72) carried along an auxiliary conveyor conveying path (U7) together with the first grippers (10) is provided. The auxiliary grippers (72) are able to seize and fix the first object edges (3, 3') of individual or all objects held in the transfer region (T) and to return the objects to the first gripper (10) such that the positions thereof is shifted relative to the original positions thereof. According to a second concept of the invention, a stabilization apparatus (30) is provided in order to stabilize the objects (2, 2') held by the first grippers (12). The stabilization apparatus (30) is arranged upstream of the transfer region (T) in the conveying direction (F) and comprises stop elements (32) which are moved together with the first grippers (12) and by which the second object edges (4, 4') at the entrance (E) into the transfer region (T) are moved into a defined position in the conveying direction (F) and in the vertical direction.

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