Title (en)

METHOD AND DEVICE FOR FORMING GROUPS OF FLAT ARTICLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BILDUNG VON GRUPPEN VON FLACHEN GEGENSTÄNDEN

Title (fr)

PROCEDE ET DISPOSITIF POUR FORMER DES GROUPES D'OBJETS PLATS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03053831A1] The invention relates to a method for forming groups (2) from flat articles (11 to 14), conveyed in a plurality of conveying flows (1.1 to 1.4), by combining the conveying flows (1.1 to 1.4) to a group flow in which a plurality of imbricated flows with identical distances of the overlaps are superimposed and in which the leading edge zones of the articles (11 to 14) of the superimposed imbricated flows are aligned with one another in the direction of conveyance. Groups (2) of articles (11 to 14) are separated from the top end of the group flow by jamming and accelerating the inter-aligned leading edge zones. The conveying flows (1.1 to 1.4) are superimposed in at least one combination site while the articles (11 to 14) in all combining and superimposed flows are interaligned in parallel and at an angle to the direction of conveyance, have the same distances to one another and are transported at the same speed. Projections of the combining and superimposed flows (1.1 to 1.4) extend in parallel or coincide in a plane parallel to the parallel orientation of the articles (11 to 14). The projections of the combining flows (1.1 to 1.4) converge at an acute angle to a plane transverse to the parallel alignment of the articles (11 to 14). The combining flows (1.1 to 1.4) are synchronized in such a manner that, when the flows are superimposed, leading edge zones of the articles (11 to 14) are substantially aligned with one another.

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