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

EP 1456106 B1 20061011 (DE)

Application

EP 02754097 A 20020828

Priority

- CH 0200469 W 20020828
- CH 23492001 A 20011221

Abstract (en)

[origin: US7431280B2] Groups are formed from flat articles being supplied in a plurality of supply streams by combining the supply streams to form a group stream, and by separating article groups from the head end of the group stream through clamping and accelerating aligned leading article edge zones. The supply streams are superimposed in at least one combining point, wherein in all streams to be combined and in all superimposed streams the articles are arranged parallel in a direction transverse to the conveying direction, have the same article spacings, and are conveyed at the same speed. Projections of the streams to be combined and of the superimposed streams on a plane parallel to the parallel alignment of the articles run parallel to one another or coincide. Projections of the streams to be combined on a plane transverse to the parallel alignment of the articles run together at an acute angle.

IPC 8 full level

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CPC (source: EP US)

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WO 03053831 A1 20030703; AT E342219 T1 20061115; AU 2002322957 A1 20030709; AU 2002322957 B2 20080626; CA 2471025 A1 20030703; CA 2471025 C 20091027; DE 50208440 D1 20061123; DK 1456106 T3 20070212; EP 1456106 A1 20040915; EP 1456106 B1 20061011; ES 2272751 T3 20070501; JP 2005512919 A 20050512; JP 3999202 B2 20071031; PL 206156 B1 20100730; PL 369508 A1 20050418; RU 2004118849 A 20050810; RU 2305060 C2 20070827; US 2005035521 A1 20050217; US 7431280 B2 20081007

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