

Title (en)

DEVICE FOR FORMING GROUPS OF OBJECTS STANDING ON EDGE, AND METHOD OF USING IT

Publication

**EP 0170614 B1 19890419 (DE)**

Application

**EP 85810251 A 19850530**

Priority

CH 370584 A 19840731

Abstract (en)

[origin: US4669600A] An apparatus for forming article groups each consisting of a plurality of edgewise upright oriented, generally flat stacked articles, includes a first conveyor for individually advancing the articles in a lying orientation; a second conveyor for receiving the articles from the first conveyor and for depositing the articles individually on a gathering channel in an edgewise upright orientation; a first article group shifting unit for periodically forming one group of articles of predetermined number from articles accumulating on the gathering channel as deposited by the second conveyor and for individually advancing that group on the gathering channel away from the second conveyor; a second article group shifting unit forming a second group of articles of predetermined number from articles accumulating on the gathering channel as deposited by the second conveyor, and simultaneously advancing the first and second groups on the gathering channel to a discharge end thereof.

IPC 1-7

**B65B 23/14**

IPC 8 full level

**B65B 23/14** (2006.01)

CPC (source: EP US)

**B65B 23/14** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0170614 A2 19860205; EP 0170614 A3 19870422; EP 0170614 B1 19890419;** CH 664126 A5 19880215; DE 3569499 D1 19890524; US 4669600 A 19870602

DOCDB simple family (application)

**EP 85810251 A 19850530;** CH 370584 A 19840731; DE 3569499 T 19850530; US 75916485 A 19850726