

Title (en)

Method and device for changing the form of a stream of flat articles

Title (de)

Verfahren und Vorrichtung zur Wandlung eines Förderstromes von flachen Gegenständen

Title (fr)

Méthode et dispositif pour changer la forme d'un flux d'articles plats

Publication

**EP 1277685 B1 20050921 (DE)**

Application

**EP 02405570 A 20020708**

Priority

CH 13352001 A 20010718

Abstract (en)

[origin: EP1277685A1] The object path-turning process involves crossing the input path with the output path at two crossing points (A, B), transferring the objects (4) in groups (1A, 1B, 2A, 2B) alternately at the first or second crossing point. The objects lie in overlapped flow sections, and on the output path conveyor, these are gaps (22) between successive groups.

IPC 1-7

**B65H 33/16**; **B65H 29/04**; **B65H 29/66**

IPC 8 full level

**B65H 29/04** (2006.01); **B65H 33/16** (2006.01)

CPC (source: EP US)

**B65H 29/003** (2013.01 - EP US); **B65H 29/6609** (2013.01 - EP US); **B65H 33/16** (2013.01 - EP US); **B65H 2301/342** (2013.01 - EP US); **B65H 2301/42112** (2013.01 - EP US); **B65H 2301/44712** (2013.01 - EP US); **B65H 2301/44732** (2013.01 - EP US); **B65H 2405/55** (2013.01 - EP US)

C-Set (source: EP US)

1. **B65H 2301/44712** + **B65H 2220/02**
2. **B65H 2301/44712** + **B65H 2220/01**
3. **B65H 2301/44732** + **B65H 2220/01**

Cited by

EP2524889A3; EP2246283A1; US9061855B2; US8181959B2; US7963386B2; WO2007062534A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**EP 1277685 A1 20030122**; **EP 1277685 B1 20050921**; AT E304984 T1 20051015; DE 50204308 D1 20060202; DK 1277685 T3 20060123; US 2003015837 A1 20030123; US 6669192 B2 20031230

DOCDB simple family (application)

**EP 02405570 A 20020708**; AT 02405570 T 20020708; DE 50204308 T 20020708; DK 02405570 T 20020708; US 19708402 A 20020717