

Title (en)

Device for turning flat objects

Title (de)

Vorrichtung zum Wenden von flachen Gegenständen

Title (fr)

Dispositif destiné au retournement d'objets plats

Publication

EP 2085341 A3 20110504 (DE)

Application

EP 09151887 A 20090202

Priority

DE 102008007373 A 20080201

Abstract (en)

[origin: EP2085341A2] The device (2) has a transportation strand (6) with a main object stream (Se) for moving articles (4.1-4.n), and divided into two lower strands (12, 14). Two turning units (22, 24) turn the articles around an article axis (18), where each turning unit is arranged in one of two lower strands. A third turning unit (16) is connected upstream to the turning units (22, 24) in movement direction (8) of the articles. The articles movable in the main object stream turns around a predetermined turning angle (alpha).

IPC 8 full level

B65H 15/00 (2006.01); **B65H 29/60** (2006.01)

CPC (source: EP US)

B07C 1/18 (2013.01 - EP US); **B65H 9/04** (2013.01 - EP); **B65H 15/012** (2020.08 - EP US); **B65H 29/60** (2013.01 - EP);
B65H 2220/09 (2013.01 - EP); **B65H 2301/321** (2013.01 - EP); **B65H 2301/33212** (2013.01 - EP); **B65H 2301/33222** (2013.01 - EP);
B65H 2301/44316 (2013.01 - EP); **B65H 2301/4455** (2013.01 - EP); **B65H 2301/448** (2013.01 - EP); **B65H 2301/4482** (2013.01 - EP);
B65H 2404/2691 (2013.01 - EP); **B65H 2511/10** (2013.01 - EP); **B65H 2511/13** (2013.01 - EP); **B65H 2513/42** (2013.01 - EP);
B65H 2701/1916 (2013.01 - EP)

Citation (search report)

- [XA] US 2005029168 A1 20050210 - JONES WILLIAM J [US], et al
- [AD] DE 1219866 B 19660623 - TELEFUNKEN PATENT
- [A] GB 1124099 A 19680821 - INT STANDARD ELECTRIC CORP
- [ADP] DE 102006048422 A1 20080417 - SIEMENS AG [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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