

Title (en)

Apparatus for taking, conveying, erecting and positioning of folding boxes

Title (de)

Vorrichtung zum Entnehmen, Transportieren, Aufrichten und Einsetzen von Faltschachteln

Title (fr)

Dispositif pour prendre, transporter, dresser et positionner des boîtes pliantes

Publication

EP 1714880 A1 20061025 (DE)

Application

EP 05026545 A 20051206

Priority

DE 102005018391 A 20050420

Abstract (en)

The device has a planetary wheel (23) and a sun wheel (24) forming a gear, which overlays a rotation movement relative to a planetary support (18). Each drive belt tooth system is formed at the planetary and sun wheels and connected by a drive belt (25) and forms a drive belt gear. A drive device (27) has an autonomous drive unit with a drive shaft (28) that stays in drive-conclusive connection with a body-sun wheel (29).

IPC 8 full level

B65B 43/26 (2006.01); **B31B 50/78** (2017.01); **B31B 50/94** (2017.01)

CPC (source: EP US)

B65B 43/265 (2013.01 - EP US); **B31B 50/80** (2017.07 - EP US); **B31B 50/804** (2017.07 - EP US)

Citation (search report)

- [AD] EP 0580958 A1 19940202 - UHLMANN PAC SYSTEME GMBH & CO [DE]
- [A] US 6383123 B1 20020507 - EHRING ROLF [DE], et al

Cited by

CN108100387A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1714880 A1 20061025; **EP 1714880 B1 20081022**; AT E411941 T1 20081115; CN 1853920 A 20061101; DE 102005018391 A1 20061026; DE 502005005754 D1 20081204; JP 2006298491 A 20061102; US 2006240962 A1 20061026; US 7328561 B2 20080212

DOCDB simple family (application)

EP 05026545 A 20051206; AT 05026545 T 20051206; CN 200610075543 A 20060420; DE 102005018391 A 20050420; DE 502005005754 T 20051206; JP 2006117281 A 20060420; US 40651806 A 20060418