

Title (en)

Apparatus for removing flat carton blanks from a magazine and for transferring them to a feeding conveyor

Title (de)

Vorrichtung für die Entnahme von flach zusammengelegten Faltschachteln aus einem Magazinschacht und deren Übergabe an einen Förderer

Title (fr)

Dispositif pour l'enlèvement de boîtes empilées à plat à partir d'un magasin et pour les transférer à une bande de convoyage

Publication

EP 1388495 B1 20060201 (DE)

Application

EP 03013780 A 20030618

Priority

DE 10236069 A 20020807

Abstract (en)

[origin: EP1388495A1] The dispenser for flat folded packaging bags (2) from a magazine tube (3) to a conveyor (4) has a planet carrier (9) rotatably driven around a sun axis (8). A planet arm (11) is moved eccentrically around the sun axis and parallel to the planet axis and carries a gripper (12) on a planet wheel (13) coaxial to the planet axis and connected directly or indirectly to the sun wheel (14) which has a drive (16), so that the gripper follows an asymmetrical path (17).

IPC 8 full level

B65B 43/16 (2006.01); **B65B 43/18** (2006.01); **B31B 5/80** (2006.01); **B31B 50/94** (2017.01); **B65B 43/26** (2006.01)

CPC (source: EP US)

B65B 43/185 (2013.01 - EP US); **B31B 50/062** (2017.07 - EP US); **B31B 50/804** (2017.07 - EP US); **B31B 2100/00** (2017.07 - EP US); **B31B 2120/30** (2017.07 - EP US)

Cited by

CN102336031A; US2010204030A1; US8047530B2; US7695421B2; WO2007089388A1; WO2007015049A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1388495 A1 20040211; **EP 1388495 B1 20060201**; AT E316905 T1 20060215; DE 10236069 A1 20040304; DE 10236069 B4 20040708; DE 50302313 D1 20060413; DK 1388495 T3 20060313; ES 2256618 T3 20060716; JP 2004067251 A 20040304; JP 3879044 B2 20070207; US 2004089517 A1 20040513; US 7040479 B2 20060509

DOCDB simple family (application)

EP 03013780 A 20030618; AT 03013780 T 20030618; DE 10236069 A 20020807; DE 50302313 T 20030618; DK 03013780 T 20030618; ES 03013780 T 20030618; JP 2003288264 A 20030806; US 63468003 A 20030805