

Title (en)

TRANSFER DEVICE FOR TRANSFERRING A FOLDING BOX

Title (de)

ÜBERGABEVORRICHTUNG ZUR ÜBERGABE EINER FALTSCHACHTEL

Title (fr)

DISPOSITIF DE TRANSFERT DESTINÉ À UN TRANSFERT DE BOÎTE EN CARTON PLIABLE

Publication

EP 2029435 A1 20090304 (DE)

Application

EP 08758673 A 20080521

Priority

- EP 2008004068 W 20080521
- DE 102007023964 A 20070523

Abstract (en)

[origin: CA2665305A1] The invention relates to a transfer device for transferring a folding box from a stack in which said box is stored in a flat state onto a conveyor device, said transfer device comprising a holding device that grasps the folding box and holds said box during transfer, said holding device being movable on a cycloid path having multiple reversal points and curved arcs located therebetween. The transfer device has a base lever that performs a continuous, uniform circular motion, a first lever pair having a first lever mounted on the base lever in a pivoting fashion via a first joint, and a second lever mounted on the first lever in a pivoting fashion via a second joint, and a second lever pair having a third lever mounted on the base lever in a pivoting fashion via a third joint, and a fourth lever mounted on the third lever in a pivoting fashion via a fourth joint. The holding device is attached to a holding block that is connected by an additional joint in a pivoting fashion with the second lever of the first lever pair. A pivotally mounted guide piece is provided that comprises a linear guide. A sled piece is configured on the holding block that sits on the linear guide and is movable along said linear guide.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2008141815A1

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