

Title (en)

Apparatus for engaging and dispensing articles

Title (de)

Vorrichtung zum Aufnehmen und Abgeben von Gegenständen

Title (fr)

Dispositif de saisie et délivrance d'objets.

Publication

EP 1178448 A3 20020814 (FR)

Application

EP 01870140 A 20010627

Priority

BE 200000414 A 20000628

Abstract (en)

[origin: EP1178448A2] Device (5) for picking up objects stored in storage columns (1, 2, 3) has a picking up assembly (34) with a suction device (36, 40) associated with a motorized elements (12, 16) for raising and lowering the device (5) in the columns. Equally the picking up device can be driven in a horizontal direction above the columns.

IPC 1-7

G07F 11/16; **G07F 11/14**; **B65H 5/22**

IPC 8 full level

B65H 3/08 (2006.01); **G07F 11/04** (2006.01); **G07F 11/14** (2006.01); **G07F 11/16** (2006.01)

CPC (source: EP US)

B65H 3/0816 (2013.01 - EP); **G07F 11/045** (2013.01 - EP); **G07F 11/14** (2013.01 - EP); **G07F 11/16** (2013.01 - EP US); **G07F 11/1657** (2020.05 - EP US); **B65H 2403/52** (2013.01 - EP); **B65H 2405/3311** (2013.01 - EP)

Citation (search report)

- [XAY] FR 2673612 A1 19920911 - SACERI [FR]
- [XA] US 4024963 A 19770524 - HAUTAU CHARLES F
- [YA] US 5549444 A 19960827 - DUBUIT JEAN-LOUIS [FR]
- [A] US 5431531 A 19950711 - NOZAWA MASAYUKI [JP]
- [A] US 5605432 A 19970225 - FINK FRIEDHELM [DE], et al

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 01870140 A 20010627; BE 200000414 A 20000628