

Title (en)

Device for removing receptacles from containers.

Title (de)

Vorrichtung zum Entnehmen von Gefässen aus Transportbehältern.

Title (fr)

Dispositif pour tirer des récipients d'emballages de transport.

Publication

**EP 0638478 B1 19950823 (DE)**

Application

**EP 94109698 A 19940623**

Priority

DE 9311046 U 19930723

Abstract (en)

[origin: EP0638478A1] The invention relates to a device for removing receptacles from transport containers, especially bottles from boxes or cartons, each transport container passing at least two or more groups of gripping elements, and at least one group grasping only receptacles having specific features and extracting them from the transport containers, the various groups of gripping elements being held by a common crossmember which, by means of a suspension, can be positively controlled from a receptacle extraction station to a receptacle delivery station and back. <IMAGE>

IPC 1-7

**B65B 21/12**

IPC 8 full level

**B65B 21/12** (2006.01); **B65B 21/18** (2006.01); **B65G 59/02** (2006.01)

CPC (source: EP US)

**B65B 21/12** (2013.01 - EP US); **B65B 21/183** (2013.01 - EP US)

Cited by

CN104816855A; EP1407834A3; DE102005014300B4; EP1544108A1; DE19700150A1; US6006493A; DE10305072B3; EP1445038A3; US11299357B1; DE102008009356A1; EP1655227A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 9311046 U1 19940421**; BR 9402917 A 19950411; CN 1048463 C 20000119; CN 1098695 A 19950215; DE 59400011 D1 19950928; EP 0638478 A1 19950215; EP 0638478 B1 19950823; JP H07165335 A 19950627; US 5505311 A 19960409

DOCDB simple family (application)

**DE 9311046 U 19930723**; BR 9402917 A 19940722; CN 94107999 A 19940722; DE 59400011 T 19940623; EP 94109698 A 19940623; JP 16926494 A 19940721; US 27688994 A 19940719