

Title (en)

Apparatus for applying handles

Title (de)

Vorrichtung für das Anbringen von Tragegriffen

Title (fr)

Dispositif pour poser des poignées

Publication

EP 1464582 B1 20090304 (DE)

Application

EP 04005051 A 20040304

Priority

DE 10315116 A 20030403

Abstract (en)

[origin: EP1464582A2] The device for the attaching of carrying handles of optional material to containers (3) of all types has an application head installed on a X-Y positioning unit (8) combined with a flexible element such as a toothed belt, for example. The application head through the X-Y positioning unit is movable in and out between spaced containers. The application head has a sensor to record the spacing of the next container. The application head has at least one device for the applying of a liquid or hot liquid adhesive. The application head also has a cutting device and a gripper. An independent claim is included for a method for the attaching of carrying handles to containers.

IPC 8 full level

B65B 61/14 (2006.01); **B65D 63/18** (2006.01); **B65G 47/90** (2006.01)

CPC (source: EP US)

B65B 61/14 (2013.01 - EP US)

Cited by

ITRM20130300A1; US11577873B2; WO2020020538A1

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

EP 1464582 A2 20041006; EP 1464582 A3 20050330; EP 1464582 B1 20090304; BR PI0400916 A 20050209; DE 10315116 A1 20041014; DE 502004009060 D1 20090416; ES 2323237 T3 20090709; JP 2004307069 A 20041104; JP 4387853 B2 20091224; PL 366886 A1 20041004; RU 2004110097 A 20050927; RU 2326028 C2 20080610; US 2004261362 A1 20041230; US 6901720 B2 20050607

DOCDB simple family (application)

EP 04005051 A 20040304; BR PI0400916 A 20040331; DE 10315116 A 20030403; DE 502004009060 T 20040304; ES 04005051 T 20040304; JP 2004100791 A 20040330; PL 36688604 A 20040402; RU 2004110097 A 20040402; US 81678704 A 20040402