Title (en)

Pick and place device for containers into packages

Title (de)

Aufnahme- und Setzvorrichtung für Behälter in Verpackungen

Title (fr)

Dispositif de prise et de dépôt de récipients dans des emballages

Publication

EP 1024083 A2 20000802 (EN)

Application

EP 00101991 A 20000127

Priority

IT BO990043 A 19990129

Abstract (en)

A pick and place device for containers (1) into packages or boxes (2) comprises: a frame (5); feeding conveyor means (3) for the containers (1); feeding transport means (4) for said packages (2); reciprocating means (10) comprising a first arm (11) routably pivoted to the frame (5) and a second arm (12) slidingly supported by said first arm (11); picking means (20) of the containers (1) routably supported by an end of the second arm (12); cam means (30) fastened to the frame (5) and having at least one cam (31) for guiding the cam follower (13) fastened to the second arm (12) fit to reciprocally rotate between a picking condition (P) where the picking means (20) hook a plurality of the containers (1) supported by the feeding conveyor means (3) and a releasing condition (R) of the containers (1) in which these latter are released grouped inside the related package (2) supported by the feeding transport means (4). The cam (31) has a quite reversed U shape so as to allow the picking means (20) to translate along the same vertical line in correspondence of the picking (P) condition and releasing (R) condition so picking and placing respectively the containers (1) at different or equal heights. <IMAGE>

IPC 1-7

B65B 35/36

IPC 8 full level

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CPC (source: EP)

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Cited by

FR2839052A1; IT201900019337A1; CN111453055A; EP3381819A3; CN115432230A; ITBO20090686A1; CN106379573A; CN105416665A; CN108357714A; WO2018177749A1; WO2012095332A1

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