

Title (en)

A machine for packing cartons containing bottles separated by separators

Title (de)

Maschine zum Befüllen von Kartons mit durch Trennelemente getrennten Flaschen

Title (fr)

Machine pour remplir des cartons contenant des bouteilles séparées par des cloisonnements

Publication

EP 1410995 B1 20050817 (EN)

Application

EP 03425556 A 20030820

Priority

IT MO20020298 A 20021016

Abstract (en)

[origin: EP1410995A1] The gripping devices (23) connected to traverse (3) arranged parallel to a mobile rest plane (2) at specific distance, grip and release separator (51) into carton (50) moving along the mobile plane. The gripping heads (26) attached to traverse, grip and release the bottles supplied from a supply unit (7) located by the side of mobile plane, into carton arranged with separator.

IPC 1-7

B65B 61/20; **B65B 21/18**; **B31B 11/00**

IPC 8 full level

B31B 11/00 (2006.01); **B65B 21/18** (2006.01); **B65B 61/20** (2006.01)

CPC (source: EP)

B65B 21/18 (2013.01); **B65B 61/207** (2013.01); **B31B 50/81** (2017.07); **B31B 2105/00** (2017.07); **B31B 2120/25** (2017.07)

Cited by

CN106043762A; CN109562856A; CN111874346A; CN107618711A; US2016194104A1; US10472113B2; CN109775060A; CN105523216A; EP3012197A3; CN106184911A; CN105599965A; EP3012199A3; CN110979865A; US10604291B2; US11453523B2; US11053041B2; JP2019517963A; WO2017203169A1; WO2018153587A1; EP3012197B1

Designated contracting state (EPC)

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EP 1410995 A1 20040421; **EP 1410995 B1 20050817**; AT E302146 T1 20050915; DE 60301310 D1 20050922; DE 60301310 T2 20060608; ES 2244912 T3 20051216; IT MO20020298 A1 20040417

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