

Title (en)

METHOD AND APPARATUS FOR EQUIPPING BOTTLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUSSTATTEN VON FLASCHEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D'ÉTIQUETAGE DE BOUTEILLES

Publication

EP 2616346 B1 20151104 (DE)

Application

EP 11757179 A 20110909

Priority

- DE 102010045661 A 20100917
- EP 2011004555 W 20110909

Abstract (en)

[origin: WO2012034672A1] Method for equipping bottles or similar containers (2) with equipment elements (3, 3.1) using at least three identical container-equipping subassemblies (9.1 - 9.3) which form a container-equipping-subassembly group and are designed for applying equipment elements (3, 3.1) to one and the same container region of the containers (2) moving, on a transporting system (5), past the container-equipping subassemblies (9.1 - 9.3), wherein, during disruption-free operation, at least two container-equipping subassemblies (9.1, 9.2) of the at least one container-equipping-subassembly group are activated for equipping in each case one container (2) which has not yet been labelled by another container-equipping subassembly (9.1, 9.2) of the container-equipping-subassembly group.

IPC 8 full level

B65C 9/40 (2006.01); **B65C 3/16** (2006.01); **B65C 9/00** (2006.01)

CPC (source: EP US)

B65C 3/16 (2013.01 - EP US); **B65C 9/0062** (2013.01 - EP US); **B65C 9/40** (2013.01 - EP US); **Y10T 156/10** (2015.01 - EP US);
Y10T 156/1744 (2015.01 - EP US)

Citation (examination)

US 2005067111 A1 20050331 - GEURTSEN JOHN WILLIAM [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102010045661 A1 20120322; EP 2616346 A1 20130724; EP 2616346 B1 20151104; US 2013160922 A1 20130627;
WO 2012034672 A1 20120322

DOCDB simple family (application)

DE 102010045661 A 20100917; EP 11757179 A 20110909; EP 2011004555 W 20110909; US 201113821058 A 20110909