

Title (en)
Device for applying labels to containers

Title (de)
Vorrichtung zum Anbringen von Etiketten auf Behältnisse

Title (fr)
Dispositif destiné à appliquer des étiquettes sur des récipients

Publication
EP 2082966 A3 20090916 (DE)

Application
EP 09151209 A 20090123

Priority
DE 102008006107 A 20080125

Abstract (en)
[origin: EP2082966A2] The device comprises a unit (2) for cutting labels (18) from a label strip (8), an applying unit (4), which is arranged downstream to the cutting unit and applies labels on containers (10), and a guiding device (32). The applying unit comprises a radiation device, which is arranged in such a manner that the radiation applies a first section of the labels on an external wall of the containers and comprises a laser light source. The applying unit comprises a carrier device, which transports the containers on a web in the shape of a segment of a circle, and support elements for the containers. The device comprises a unit (2) for cutting labels (18) from a label strip (8), an applying unit (4), which is arranged downstream to the cutting unit and applies labels on containers (10), and a guiding device (32). The applying unit comprises a radiation device, which is arranged in such a manner that the radiation applies a first section of the labels on an external wall of the containers and comprises a laser light source. The applying unit comprises a carrier device, which transports the containers on a web, which is in the shape of a segment of a circle, and support elements for the containers, where the support elements are rotatably arranged on the carrier device. The first section of the labels is connected with a second section of the labels. The applying unit comprises a radiation guiding device, which changes an impact area of the radiation. The guiding device guides the cutting label during the applying procedure. The control device comprises through-holes for the radiation. The guiding device consists of a material transparent for the radiation. The cutting unit comprises a radiation device for cutting the label strips and a swivelable roller for the label strip, where the swivelable roller comprises mounting means in order to fix the label strip intermittently to a circumferential wall of the roller. The cutting unit comprises a plate for guiding the label strip, where the plate is arranged stationary and adjacent to the roller. The guide plate comprises a recess, by which the label strips are intermittently fastened at the roller. Independent claims are included for: (1) an applying unit for the applying labels on the containers; (2) a cutting unit for cutting labels from a label strip; and (3) a method for the applying of a label on containers.

IPC 8 full level
B65C 3/16 (2006.01); **B65C 9/18** (2006.01); **B65C 9/24** (2006.01)

CPC (source: EP US)
B65C 3/163 (2013.01 - EP US); **B65C 9/1819** (2013.01 - EP US); **B65C 9/24** (2013.01 - EP US); **B65C 2009/1846** (2013.01 - EP US)

Citation (search report)

- [XDA] WO 2007148189 A1 20071227 - SACMI LABELLING S P A [IT], et al
- [AD] WO 2007110738 A1 20071004 - SACMI LABELLING S P A [IT], et al
- [A] EP 1400455 A1 20040324 - KHS MASCH & ANLAGENBAU AG [DE]
- [A] DE 19921843 A1 20001123 - CROWN SIMPLIMATIC ORTMANN & HE [DE]

Cited by
DE102011090103A1; DE102012200826A1; EP2347884A3; ITMI20092130A1; US8871135B2; WO2011067147A1

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2082966 A2 20090729; EP 2082966 A3 20090916; EP 2082966 B1 20101117; DE 102008006107 A1 20090730;
DE 502009000175 D1 20101230; EP 2145826 A1 20100120; EP 2145826 B1 20150902; JP 2009173347 A 20090806;
US 2009188629 A1 20090730; US 8893757 B2 20141125

DOCDB simple family (application)
EP 09151209 A 20090123; DE 102008006107 A 20080125; DE 502009000175 T 20090123; EP 09175578 A 20090123;
JP 2009012398 A 20090122; US 35847509 A 20090123