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]

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Designated extension state (EPC)
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DOCDB simple family (publication)
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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