

Title (en)

DEVICE FOR APPLYING DECORATIVE ELEMENTS ON CONTAINERS

Title (de)

VORRICHTUNG ZUM AUFBRINGEN VON DEKORATIONSELEMENTEN AUF BEHÄLTER

Title (fr)

DISPOSITIF POUR L'APPLICATION DES ÉLÉMENTS DÉCORATIFS SUR RÉCIPIENTS

Publication

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Application

EP 16700420 A 20160112

Priority

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Abstract (en)

[origin: WO2016134867A1] Device for applying decorative elements to containers such as, for example, bottles, comprising a transport device for transporting containers, and provided with an application device, which can guide past a decorative material provided on a carrier strip on the surface of the container for applying at least one part of the decorative material to the surface of the container, and comprising a pressure module arranged upstream of the application device, which pressure module can apply an adhesive to defined regions of the decorative material and/or the surface of the container and comprising a first curing device arranged downstream of the pressure module and upstream of the application device, which curing device can pre-cure the adhesive before the decorative material on the surface of the container is guided past, and comprising a second curing device arranged downstream of the application device, which can cure the adhesive after the decorative material is applied to the surface of the container, and a corresponding method.

IPC 8 full level

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Citation (opposition)

Opponent : e-Patent SA,

- DE 102012112556 A1 20140618 - ISIMAT GMBH SIEBDRUCKMASCHINEN [DE], et al
- US 2015343761 A1 20151203 - ROEDER WOLFGANG [DE], et al
- DE 102005011570 A1 20051103 - ROLAND MAN DRUCKMASCH [DE]
- WO 2007025399 A2 20070308 - MADAG PRINTING SYSTEMS AG [CH], et al
- JP H04103382 A 19920406 - DAIWA CAN CO LTD, et al
- JP H07246696 A 19950926 - DAINIPPON PRINTING CO LTD
- US 2004200566 A1 20041014 - BELLAFORE BRYAN [US], et al
- US 2010257819 A1 20101014 - SCHACH MARTIN [DE]
- DE 3637465 A1 19870521 - OWENS ILLINOIS INC [US]
- US 2010212821 A1 20100826 - GRINBERG ELI [IL], et al
- EP 1700693 A2 20060913 - ROLAND MAN DRUCKMASCH [DE]
- CN 103946034 A 20140723 - BARTH PETER
- US 2014305577 A1 20141016 - BARTH PETER [DE]
- US 4992129 A 19910212 - SASAKI HITOSHI [JP], et al
- DE 4201377 C1 19931021 - SCHLIESMANN MARTIN [CH]
- DE 4427870 A1 19960208 - ALFILL GETRAENKETECHNIK [DE]
- US 2006250464 A1 20061109 - SHEINMAN YEHOASHUA [IL]
- US 2014374016 A1 20141225 - SCHACH MARTIN [DE]
- US 2004068061 A1 20040408 - KAWATE KOHICHIRO [JP], et al

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