

Title (en)
METHOD OF LABELLING A FOOD WRAP ROLL, PERFORATION DEVICE OF THE LABELLING MACHINE AND LABEL OF THE FOOD WRAP ROLL

Title (de)
VERFAHREN ZUR ETIKETTIERUNG EINER LEBENSMITTELVERPACKUNGSROLLE, PERFORATIONSVORRICHTUNG DER ETIKETTIERMASCHINE UND ETIKETT DER LEBENSMITTELVERPACKUNGSROLLE

Title (fr)
PROCÉDÉ DE MARQUAGE D'UN ROULEAU D'EMBALLAGE ALIMENTAIRE, DISPOSITIF DE PERFORATION DE LA MACHINE D'ÉTIQUETAGE ET ÉTIQUETTE DU ROULEAU D'EMBALLAGE ALIMENTAIRE

Publication
EP 3067174 A1 20160914 (EN)

Application
EP 15178126 A 20150723

Priority
PL 41153515 A 20150310

Abstract (en)
The method of labelling the food wrap roll consists in unwinding the label in the form of a ribbon (1) from the unwinding roller (2) and feeding it to the tensioning and perforating roller (3), which is located beneath the unwinding roller (2), the roller (3) featuring at least one bushing tube (11) with the needles (12) and puncturing perforation holes (15) along the label ribbon (1), and the label ribbon (1) is fed through a set of guide rollers (4), wound on the rolled up food wrap roll (5) and cut off crosswise. The perforation device of the labelling machine comprises the rollers (16) with bearings, mounted pivotally on the axle (13), and at least one bushing tube (11) mounted coaxially in between, with the needles (12) attached on the outer circumference and projecting out the circumference of the rollers (16), wherein the axle (13) mounted on the holders (19), attached to the frame of the labelling machine (17), is detachable. The label wound on the food wrap roll, characterised in that it features at least one row of perforation holes (15).

IPC 8 full level
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Citation (applicant)
CN 201932394 U 20110817 - SHANGHAI AILU PAPER PACKAGE CO LTD

Citation (search report)

- [X] DE 202004013947 U1 20050217 - KRONES AG [DE]
- [X] US 2015013273 A1 20150115 - MCKILLIP BARRON G [US], et al
- [X] US 2014305272 A1 20141016 - BOYER JR RONALD S [US]
- [X] DE 9300925 U1 19930325
- [X] US 2006093711 A1 20060504 - BIALICK JEROME [US], et al
- [X] US 2010173047 A1 20100708 - DA SILVA ANDERSON MARINHEIRO [BR], et al

Citation (examination)
US 6250468 B1 20010626 - HUCHEL ROBERT JOHN [US]

Cited by
CN107053297A; CN111572933A; EP3936292A1

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