

Title (en)

LABELLING MACHINE AND METHOD FOR APPLYING LABELS ONTO ARTICLES ADAPTED TO CONTAIN A POURABLE PRODUCT

Title (de)

ETIKETTIERMASCHINE UND VERFAHREN ZUM ANBRINGEN VON ETIKETTEN AUF ARTIKELN, DIE ZUR AUFNAHME EINES RIESELFÄHIGEN PRODUKTS ANGEPASST SIND

Title (fr)

MACHINE D'ÉTIQUETAGE ET PROCÉDÉ POUR APPLIQUER DES ÉTIQUETTES SUR DES ARTICLES CONÇUS POUR CONTENIR UN PRODUIT VERSABLE

Publication

**EP 3992095 A1 20220504 (EN)**

Application

**EP 20204826 A 20201030**

Priority

EP 20204826 A 20201030

Abstract (en)

There is described a labelling machine (1) for applying labels (2) obtained from a web (4) of labelling material onto articles (3) adapted to contain a pourable product, and comprising: a conveyor device (6) configured to advance a plurality of articles (3) along a conveying path (P); a cutting device (10) configured to cut a sequence of single labels (2) from the web (4) of labelling material, the labels (2) being initially joined together to form said web (4); a label transfer device comprising a vacuum drum (11) configured to sequentially receive, on an outer lateral surface (11a) thereof, the labels (2) cut by the cutting device (10), to retain the labels (2) onto the outer lateral surface (11a) by means of vacuum suction, and to transfer them to the conveyor device (6); a tension sensor (15) arranged operatively upstream of the cutting device (10) and configured to detect a physical quantity correlated with a tension of the web (4) and to generate a signal (W) correlated with the detected physical quantity; and a control unit (16) configured to receive the signal (W) generated, in use, by the tension sensor (15) and to control the vacuum suction of the vacuum drum (11) based on the signal (W) received from the tension sensor (15).

IPC 8 full level

**B65C 9/18** (2006.01); **B65C 9/40** (2006.01); **B65C 9/42** (2006.01)

CPC (source: EP)

**B65C 9/1819** (2013.01); **B65C 9/42** (2013.01); **B65C 2009/1838** (2013.01)

Citation (search report)

- [A] EP 3604149 A1 20200205 - SIDEL PARTICIPATIONS [FR]
- [A] EP 3263470 A1 20180103 - SIDEL PARTICIPATIONS [FR]
- [A] US 5486253 A 19960123 - OTRUBA SVATOBOJ [US]
- [A] WO 2019121152 A1 20190627 - SIDEL PARTICIPATIONS [FR]
- [A] WO 2020025333 A1 20200206 - SIDEL PARTICIPATIONS [FR]
- [A] WO 2018086712 A1 20180517 - SIDEL PARTICIPATIONS [FR]
- [A] WO 2011067148 A1 20110609 - PE LABELLERS SPA [IT], et al
- [A] WO 0117858 A1 20010315 - B & H MFG CO INC [US]

Cited by

CN115339720A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3992095 A1 20220504**; WO 2022089826 A1 20220505

DOCDB simple family (application)

**EP 20204826 A 20201030**; EP 2021075176 W 20210914