

Title (en)

VACUUM DRUM FOR A LABELING UNIT, AND LABELING UNIT HAVING A VACUUM DRUM OF THIS TYPE

Title (de)

VAKUUMTROMMEL FÜR EIN ETIKETTIERAGGREGAT SOWIE ETIKETTIERAGGREGAT MIT EINER SOLCHEN VAKUUMTROMMEL

Title (fr)

TAMBOUR SOUS VIDE POUR UNE UNITÉ D'ÉTIQUETAGE ET UNITÉ D'ÉTIQUETAGE DOTÉE D'UN TEL TAMBOUR SOUS VIDE

Publication

EP 3887264 A1 20211006 (DE)

Application

EP 19813753 A 20191128

Priority

- DE 102018130318 A 20181129
- EP 2019082849 W 20191128

Abstract (en)

[origin: WO2020109441A1] The invention relates to a vacuum drum for a labeling unit. The essential aspect of the invention is that of specifying a vacuum drum for a labeling unit of a labeling machine, in particular for labeling containers or the like, the vacuum drum comprising at least one vacuum holder pair, which can rotate about a drum axis of the vacuum drum in a direction of rotation and which comprises at least two vacuum holders, which are provided on a peripheral surface of the vacuum drum around the drum axis at an offset to one another in the direction of rotation. A vacuum holder located in front with respect to the direction of rotation is provided for holding a front label end of a corresponding label, and a vacuum holder located in back with respect to the direction of rotation is provided for holding an associated rear label end on the peripheral surface of the vacuum drum. The vacuum holders of the at least one vacuum holder pair located in front and in back each have a rotational switching device, which can be switched into two fixed stationary operating positions and which has a switching element. Furthermore, the vacuum holders located in front and in back are designed to be switchable, by means of the respective rotational switching devices, between an inner maintenance position as the first fixed operating position, in which the at least one vacuum holder pair can be led past a gluing unit without contact, which gluing unit is provided next to the vacuum drum, and an outer working position as the second fixed operating position, in which the at least one vacuum holder pair can be led past the gluing unit with contact, in that the respective switching elements of the associated rotational switching devices can be brought into active engagement with at least two stationary switching devices in order to initiate the switching movements.

IPC 8 full level

B65C 9/18 (2006.01)

CPC (source: EP US)

B65C 9/1819 (2013.01 - EP US); **B65C 9/2256** (2013.01 - US); **Y10T 156/1033** (2015.01 - US)

Citation (search report)

See references of WO 2020109441A1

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)

DE 102018130318 B3 20191128; CN 113165764 A 20210723; CN 113165764 B 20230228; EP 3887264 A1 20211006; US 11535413 B2 20221227; US 2021380303 A1 20211209; WO 2020109441 A1 20200604

DOCDB simple family (application)

DE 102018130318 A 20181129; CN 201980078573 A 20191128; EP 19813753 A 20191128; EP 2019082849 W 20191128; US 201917287176 A 20191128