

Title (en)

IMPROVED CAROUSEL MACHINE FOR THE MANUFACTURE OF PACKAGING BAGS

Title (de)

VERBESSERTE KARUSSELLMASCHINE ZUR HERSTELLUNG VON VERPACKUNGSBEUTELN

Title (fr)

AMÉLIORATION APPORTÉE À UNE MACHINE CARROUSEL POUR CONFECTIONNER DES SACS PAQUET

Publication

**EP 4137415 A4 20240103 (EN)**

Application

**EP 21789555 A 20210412**

Priority

- ES 202030654 U 20200416
- ES 2021070238 W 20210412

Abstract (en)

[origin: EP4137415A1] A carousel machine that performs a manufacturing process, where said machine has a mobile disc (10), configured to rotate around its own axis, with a plurality of cups (7) disposed around an external perimeter of said disc (10); and a fixed structure (2) with regard to which the mobile disc (10) rotates. Said carousel machine (1) comprises a geared mechanism having in turn a rigid, fixed crown wheel (3) concentric with the circular mobile disc, and a drive gearwheel (4) installed on the fixed structure (2) and engaged interiorly with the crown wheel (3) and disposed excentrically to said crown wheel (3); where said drive gearwheel (4) is operable by a motor (6) in such a way that by activating the drive gearwheel (4) a synchronised circular movement of the mobile disc (10) with regard to the fixed structure (2) is produced, between the stages of the process of the carousel machine.

IPC 8 full level

**B65B 1/02** (2006.01); **B65B 1/22** (2006.01); **B65B 61/00** (2006.01)

CPC (source: EP)

**B65B 1/22** (2013.01); **B65B 51/146** (2013.01); **B65B 61/005** (2013.01)

Citation (search report)

- [Y] DE 1926223 A1 19691204 - QUADALTI CESARE
- [Y] US 2020108956 A1 20200409 - VOLLENKEMPER WILLI [DE]
- [A] EP 1364878 A1 20031126 - ROVEMA GMBH [DE]
- [A] US 3220161 A 19651130 - PAUL LOHSE, et al
- See references of WO 2021209661A1

Designated contracting state (EPC)

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