

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 A1 20230222 (EN)

Application

EP 21789555 A 20210412

Priority

- ES 202030654 U 20200416
- ES 2021070238 W 20210412

Abstract (en)

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)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4137415 A1 20230222; **EP 4137415 A4 20240103**; ES 1247635 U 20200611; ES 1247635 Y 20200901; WO 2021209661 A1 20211021

DOCDB simple family (application)

EP 21789555 A 20210412; ES 202030654 U 20200416; ES 2021070238 W 20210412