

Title (en)

BEVERAGE SYSTEM HAVING A CONVEYING CARRIAGE FOR A CAPSULE

Title (de)

GETRÄNKESYSTEM MIT EINEM BEFÖRDERUNGSSCHLITTEN FÜR EINE KAPSEL

Title (fr)

SYSTÈME DE BOISSON COMPRENANT UN CHARIOT DE TRANSPORT POUR UNE CAPSULE

Publication

EP 3962329 A1 20220309 (DE)

Application

EP 20721197 A 20200422

Priority

- DE 102019206100 A 20190429
- EP 2020061197 W 20200422

Abstract (en)

[origin: WO202221637A1] The invention relates to a beverage system (200) for making a beverage based on ingredients in a capsule (100). The beverage system (200) comprises a conveying carriage (300) having a capsule carrier (402) for receiving a capsule (100). The beverage system (200) also comprises a threaded spindle (404) extending inside the housing perpendicular to the housing wall (401) of the beverage system (200), the threaded spindle having a drive nut (403), which is connected to the capsule carrier (402). In addition, the beverage system (200) comprises a stop element (405), which is arranged on the threaded spindle (404) at an ejection position (421) and is designed to block movement of the drive nut (403) along the threaded spindle (404). The beverage system (200) further comprises a motor (301), which is designed to rotate the threaded spindle (404) in a first direction of rotation, in order to move the capsule carrier (402) along the threaded spindle into the housing to a processing position (232), at which processing position a beverage is made based on the ingredients in a capsule (100) placed in the capsule carrier (402); in order to move the capsule carrier (402) further along the threaded spindle (404) to the ejection position (421); and in order to rotate the capsule carrier (402) at the ejection position (421) about the threaded spindle (404) to eject the capsule (100) from the capsule carrier (402).

IPC 8 full level

A47J 31/44 (2006.01); **A47J 31/36** (2006.01)

CPC (source: EP US)

A47J 31/3633 (2013.01 - EP); **A47J 31/3638** (2013.01 - EP); **A47J 31/407** (2013.01 - US); **A47J 31/4467** (2013.01 - EP); **A47J 31/3604** (2013.01 - US); **A47J 31/3623** (2013.01 - US); **A47J 31/3633** (2013.01 - US); **A47J 31/3666** (2013.01 - US)

Citation (search report)

See references of WO 202221637A1

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 102019206100 A1 20201029; EP 3962329 A1 20220309; US 11445852 B2 20220920; US 2022142394 A1 20220512; WO 202221637 A1 20201105

DOCDB simple family (application)

DE 102019206100 A 20190429; EP 2020061197 W 20200422; EP 20721197 A 20200422; US 202017607504 A 20200422