

Title (en)

CAPSULE CONTAINING BEVERAGE POWDER, PARTICULARLY FOR PREPARING BREWED COFFEE

Title (de)

GETRÄNKEPULVER ENTHALTENDE KAPSEL, INSBESONDERE ZUR ZUBEREITUNG VON GEBRÜHTEM KAFFEE

Title (fr)

CAPSULE CONTENANT DE LA POUDRE POUR BOISSON, EN PARTICULIER DESTINÉE A LA PRÉPARATION DE CAFÉ

Publication

EP 3225566 B1 20180905 (DE)

Application

EP 16163122 A 20160331

Priority

EP 16163122 A 20160331

Abstract (en)

[origin: CA3019408A1] The invention relates to a capsule, in particular for preparing a beverage from beverage powder, in particular coffee from coffee powder (1), by introducing water into the capsule, which capsule comprises a capsule body (2), which is composed of at least one polysaccharide and which is filled with a powder containing polysaccharide, wherein the capsule body (2) is encased by at least one coating layer (3), wherein the at least one coating layer (3) comprises a cross-linked polysaccharide, wherein the cross-linked polysaccharide was obtained by cross-linking a polysaccharide by means of a cross-linking agent. A method for producing such a capsule comprises the following steps: i) providing a capsule body (2) composed of at least one polysaccharide, ii) filling the capsule body (2) with a powder composed of polysaccharide, iii) wetting at least part of and preferably the entire surface of the capsule body (2) obtained in step ii) with a solution of a polysaccharide in a solvent or with a dispersion of a polysaccharide in a dispersant, iv) bringing the capsule body (2) obtained in step iii) in contact with at least one cross-linking agent, and v) drying the capsule body (2) obtained in step iv).

IPC 8 full level

B65D 65/46 (2006.01); **B65D 85/804** (2006.01)

CPC (source: EP KR US)

B65B 29/022 (2017.07 - US); **B65D 65/466** (2013.01 - EP KR US); **B65D 85/8046** (2013.01 - EP KR US); **B65D 85/8064** (2020.05 - KR)

Cited by

EP3736228A1; WO2020224952A1; EP4056044A1; AT521488A4; AT521488B1; WO2020016202A1; CN113767050A; WO2024047209A1; WO2022189120A1; EP4331442A1; EP4331443A1; EP4331441A1; EP4331444A1; EP4331445A1; EP4331446A1; EP3736228B1

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

DOCDB simple family (publication)

EP 3225566 A1 20171004; **EP 3225566 B1 20180905**; CA 3019408 A1 20171005; CN 109071080 A 20181221; CN 109071080 B 20200922; ES 2700209 T3 20190214; KR 102384129 B1 20220406; KR 20180126571 A 20181127; PL 3225566 T3 20190329; US 11365046 B2 20220621; US 2019144199 A1 20190516; US 2023219745 A1 20230713; WO 2017167624 A1 20171005

DOCDB simple family (application)

EP 16163122 A 20160331; CA 3019408 A 20170322; CN 201780025501 A 20170322; EP 2017056875 W 20170322; ES 16163122 T 20160331; KR 20187031538 A 20170322; PL 16163122 T 20160331; US 201716090574 A 20170322; US 202217827532 A 20220527