

Title (en)

METHOD FOR DEHYDRATING LIQUID, SEMI-LIQUID OR PASTELIKE PRODUCTS, INCLUDING A PRESSURE CRYOGENIC STEP AND A LYOPHILIZATION STEP

Title (de)

VERFAHREN ZUR ENTWÄSSERUNG VON FLÜSSIGEN, HALBFLÜSSIGEN ODER PASTÖSEN PRODUKTEN MIT EINEM DRUCKKRYOGENEN SCHRITT UND EINEM LYOPHILISIERUNGSSCHRITT

Title (fr)

PROCEDE DE DESHYDRATATION DE PRODUITS LIQUIDES, SEMI-LIQUIDES OU PATEUX COMPRENANT UNE ETAPE DE CRYOGENIE SOUS PRESSION ET UNE ETAPE DE LYOPHILISATION

Publication

EP 3993632 A1 20220511 (FR)

Application

EP 20750316 A 20200706

Priority

- FR 1907562 A 20190705
- FR 2020051196 W 20200706

Abstract (en)

[origin: CA3145841A1] The invention pertains to the field of products in dry powder form obtained by lyophilization. The invention relates more particularly to a lyophilization method including a prior step of cryogeny under pressure of a matrix containing dissolved gas. It also relates to the powder obtained by this method and to the uses thereof in food processing, cosmetics, pharmacy, and human and animal health.

IPC 8 full level

A23B 4/037 (2006.01); **A23L 3/375** (2006.01); **A23L 3/42** (2006.01); **A23L 3/44** (2006.01)

CPC (source: EP US)

A23L 3/375 (2013.01 - EP US); **A23L 3/42** (2013.01 - EP US); **A23L 3/44** (2013.01 - EP US); **A23L 33/105** (2016.07 - US); **A61K 8/0241** (2013.01 - US); **A61K 8/35** (2013.01 - US); **A61K 8/9728** (2017.07 - US); **A61K 8/9794** (2017.07 - US); **A61K 8/99** (2013.01 - US); **A23V 2002/00** (2013.01 - US)

Citation (search report)

See references of WO 2021005298A1

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)

FR 3098091 A1 20210108; **FR 3098091 B1 20210604**; CA 3145841 A1 20210114; EP 3993632 A1 20220511; US 2022248723 A1 20220811; WO 2021005298 A1 20210114

DOCDB simple family (application)

FR 1907562 A 20190705; CA 3145841 A 20200706; EP 20750316 A 20200706; FR 2020051196 W 20200706; US 202017597370 A 20200706