

Title (en)

PROCESS FOR THE MANUFACTURE OF AN EMULSION OF AN ACTIVE COMPOUND AND PARTICLE OBTAINED THEREFROM

Title (de)

VERFAHREN ZUR HERSTELLUNG EINE EMULSION UND TEILCHEN ERHALTEN MIT DIESER EMULSION

Title (fr)

PROCEDE DE PREPARATION D'UNE EMULSION D'UN PRINCIPE ACTIF ET PARTICULES OBTENUES A PARTIR DE CETTE EMULSION

Publication

EP 2999351 A1 20160330 (FR)

Application

EP 14731697 A 20140521

Priority

- FR 1354539 A 20130521
- FR 2014051190 W 20140521

Abstract (en)

[origin: WO2014188124A1] The invention relates to a process for preparing a double emulsion of a hydrophobic and liposoluble active ingredient, which comprises the following steps: (a) an aqueous solution of at least one whey protein is provided; (b) an aqueous solution of at least one anionic polysaccharide is provided; (c) the whey protein(s) is (are) subjected to a denaturing treatment; (d) an o/w emulsion of the active ingredient in the solution (c) is prepared under hot conditions, then an (o/w)/w emulsion of the o/w emulsion in the solution (b) is prepared under hot conditions, or (e) a w/w emulsion of the solutions (c) and (b) is prepared, then an o/(w/w) emulsion of the active ingredient in the w/w emulsion is prepared under hot conditions. It also relates to the production of particles of said active ingredient from an emulsion thus prepared, and to the particles obtained.

IPC 8 full level

A23J 3/08 (2006.01); **A23J 1/20** (2006.01); **A61K 8/06** (2006.01); **A61K 8/64** (2006.01); **A61K 8/67** (2006.01); **A61K 8/73** (2006.01); **A61K 9/107** (2006.01); **A61K 9/113** (2006.01); **A61K 9/14** (2006.01); **A61K 9/16** (2006.01); **A61K 9/50** (2006.01); **A61K 31/07** (2006.01); **A61Q 19/00** (2006.01)

CPC (source: EP US)

A23J 1/20 (2013.01 - EP US); **A23J 3/08** (2013.01 - EP US); **A61K 8/066** (2013.01 - EP US); **A61K 8/64** (2013.01 - EP US); **A61K 8/678** (2013.01 - EP US); **A61K 8/73** (2013.01 - EP US); **A61K 8/733** (2013.01 - EP US); **A61K 9/113** (2013.01 - EP US); **A61K 9/1652** (2013.01 - EP US); **A61K 9/1658** (2013.01 - EP US); **A61K 9/1694** (2013.01 - US); **A61K 9/5036** (2013.01 - EP US); **A61K 9/5052** (2013.01 - EP US); **A61K 9/5073** (2013.01 - EP US); **A61K 31/07** (2013.01 - EP US); **A61P 3/02** (2017.12 - EP); **A61Q 19/00** (2013.01 - EP US); **A61K 2800/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2014188124A1

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)

WO 2014188124 A1 20141127; CN 105283083 A 20160127; EP 2999351 A1 20160330; FR 3005863 A1 20141128; FR 3005863 B1 20150821; JP 2016527185 A 20160908; US 2016101064 A1 20160414

DOCDB simple family (application)

FR 2014051190 W 20140521; CN 201480029195 A 20140521; EP 14731697 A 20140521; FR 1354539 A 20130521; JP 2016514463 A 20140521; US 201414893051 A 20140521