

Title (en)
MONODISPERSED SOLID LIPID PARTICLE COMPOSITIONS

Title (de)
MONODISPERGIERTE FESTE LIPIDTEILCHEN-ZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DE PARTICULES LIPIDIQUES SOLIDES MONODISPERSSES

Publication
EP 1673067 A1 20060628 (FR)

Application
EP 04787493 A 20040930

Priority

- FR 2004002480 W 20040930
- FR 0311952 A 20031013

Abstract (en)
[origin: FR2860717A1] A composition comprising in a continuous aqueous phase a monodisperse lipid phase comprising one or more crystallizable lipids, one or more active principles and a least one dispersed phase stabilizing compound comprising two fatty acid chains and a polyethylene glycol chain, is new. Independent claims are included for a methods of preparing the claimed composition by: (a) introducing the active principle(s) into the crystallizable lipid; (b) dispersing the lipid phase in the aqueous phase in the presence of an emulsifier to form an emulsion; (c) subjecting the emulsion to shear to form a monodisperse emulsion or where the lipid phase comprises an internal aqueous phase, by: (i) dispersing an aqueous solution comprising the active principles into the lipid (which may contain one or more active principles) in a melted state in the presence of a lipophilic surfactant; (ii) subjecting the emulsion obtained to shear to render it monodisperse; (iii) incorporating the monodisperse emulsion in an aqueous phase in the presence of a stabilizer to form a double emulsion; and (iv) subjecting the double emulsion to shear to produce a monodisperse double emulsion.

IPC 1-7
A61K 9/113

IPC 8 full level
A61K 9/107 (2006.01); **A61K 9/113** (2006.01); **A61K 47/44** (2006.01)

CPC (source: EP US)
A61K 9/107 (2013.01 - EP US); **A61K 9/113** (2013.01 - EP US); **A61K 47/44** (2013.01 - EP US)

Citation (search report)
See references of WO 2005041930A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2860717 A1 20050415; FR 2860717 B1 20060203; CA 2541009 A1 20050512; CA 2541009 C 20120904; CN 1867320 A 20061122; CN 1867320 B 20101013; EP 1673067 A1 20060628; JP 2007508357 A 20070405; US 2007053988 A1 20070308; WO 2005041930 A1 20050512

DOCDB simple family (application)
FR 0311952 A 20031013; CA 2541009 A 20040930; CN 200480030114 A 20040930; EP 04787493 A 20040930; FR 2004002480 W 20040930; JP 2006534779 A 20040930; US 57544904 A 20040930