

Title (en)  
EXCIPIENT COMPOUNDS FOR BIOPOLYMER FORMULATIONS

Title (de)  
HILFSSTOFFVERBINDUNGEN FÜR BIOPOLYMERFORMULIERUNGEN

Title (fr)  
COMPOSÉS EXCIPIENTS POUR DES FORMULATIONS DE BIOPOLYMÈRES

Publication  
**EP 3365021 A4 20190605 (EN)**

Application  
**EP 16858314 A 20161021**

Priority  
• US 201562245513 P 20151023  
• US 2016058169 W 20161021

Abstract (en)  
[origin: WO2017070501A1] The invention encompasses formulations and methods for the production thereof that permit the delivery of concentrated protein solutions. The inventive methods can yield a lower viscosity liquid protein formulation or a higher concentration of therapeutic or nontherapeutic proteins in the liquid formulation, as compared to traditional protein solutions. The inventive methods can also yield a higher stability of a liquid protein formulation.

IPC 8 full level  
**A61K 47/22** (2006.01); **A61K 38/00** (2006.01); **A61K 39/395** (2006.01); **A61K 47/06** (2006.01); **A61K 47/12** (2006.01); **A61K 47/18** (2017.01)

CPC (source: EP US)  
**A61K 9/0019** (2013.01 - EP); **A61K 9/08** (2013.01 - EP); **A61K 38/00** (2013.01 - EP US); **A61K 39/39591** (2013.01 - EP); **A61K 47/12** (2013.01 - EP); **A61K 47/18** (2013.01 - EP); **A61K 47/183** (2013.01 - EP US); **A61K 47/20** (2013.01 - EP US); **A61K 47/22** (2013.01 - EP US); **A61K 47/60** (2017.08 - EP); **C07K 16/241** (2013.01 - EP); **C07K 16/32** (2013.01 - EP); **C07K 2317/94** (2013.01 - EP)

Citation (search report)  
• [X1] WO 2004037018 A1 20040506 - NEW SUN NUTRITION COMPANY [US], et al  
• [A] WO 9727750 A1 19970807 - ANTHEA ENTERPRISES INC [US]  
• See also references of WO 2017070501A1

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)  
**WO 2017070501 A1 20170427**; CA 3002373 A1 20170427; CA 3129181 A1 20170427; CA 3129181 C 20231031; EP 3365021 A1 20180829; EP 3365021 A4 20190605; EP 4324482 A2 20240221

DOCDB simple family (application)  
**US 2016058169 W 20161021**; CA 3002373 A 20161021; CA 3129181 A 20161021; EP 16858314 A 20161021; EP 23205025 A 20161021