

Title (en)  
ENHANCED OIL DISPERSION AND TRANSDERMAL DELIVERY

Title (de)  
VERBESSERTE ÖLDISPERSION UND TRANSDERMALE VERABREICHUNG

Title (fr)  
DISPERSION D'HUILE ET ADMINISTRATION TRANSDERMIQUE AMÉLIORÉES

Publication  
**EP 3478092 A1 20190508 (EN)**

Application  
**EP 16784298 A 20160902**

Priority

- TR 201609395 A 20160701
- TR 2016050330 W 20160902

Abstract (en)  
[origin: WO2018004490A1] Shortcomings in the transdermal delivery of a dispersion of fixed and/or essential plant oils are overcome by using an aqueous extraction of a saponin plant to enhance dispersion of fixed and/or essential oils and to enhance transdermal delivery of a composition including the oil dispersion of a target plant. In one embodiment, a composition for transdermal delivery comprises an oil in water emulsion having an oil of a target plant dispersed in a dispersion medium. The dispersion medium includes soluble components of a saponin plant solvated in water, and the saponin plant and the target plant are different plants or types of plants. Products including the composition for transdermal delivery, and methods of preparing and using the composition are also described.

IPC 8 full level  
**A23L 33/11** (2016.01); **A23L 29/10** (2016.01); **A61K 8/06** (2006.01); **A61K 8/63** (2006.01); **A61K 8/92** (2006.01); **A61K 8/97** (2017.01); **A61K 9/00** (2006.01); **A61Q 17/00** (2006.01); **A61Q 19/00** (2006.01)

CPC (source: EP KR)  
**A01N 25/04** (2013.01 - KR); **A01N 25/34** (2013.01 - KR); **A01N 65/00** (2013.01 - KR); **A23L 29/10** (2016.07 - EP); **A23L 29/206** (2016.07 - EP); **A23L 29/238** (2016.07 - EP); **A23L 29/25** (2016.07 - EP); **A23L 29/256** (2016.07 - EP); **A23L 29/274** (2016.07 - EP); **A23L 33/105** (2016.07 - EP KR); **A23L 33/11** (2016.07 - EP); **A61K 8/062** (2013.01 - EP KR); **A61K 8/922** (2013.01 - EP KR); **A61K 9/0014** (2013.01 - EP KR); **A61K 9/107** (2013.01 - EP KR); **A61K 36/00** (2013.01 - KR); **A61Q 17/005** (2013.01 - EP KR); **A61Q 19/00** (2013.01 - EP KR); **A61K 2800/524** (2013.01 - KR); **A61K 2800/592** (2013.01 - KR); **A61K 2800/82** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2018004490A1

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 2018004490 A1 20180104**; EP 3478092 A1 20190508; KR 20190027377 A 20190314; RU 2019102667 A 20200803; TR 201609395 A2 20180122

DOCDB simple family (application)  
**TR 2016050330 W 20160902**; EP 16784298 A 20160902; KR 20197003549 A 20160902; RU 2019102667 A 20160902; TR 201609395 A 20160701