

Title (en)  
LONG-CHAINED MONO AND DI-ESTERS OF 2,5-DI(HYDROXYMETHYL)TETRAHYDROFURAN, USE AND PRODUCTION THEREOF

Title (de)  
LANGKETTIGE MONO- UND DIESTER DES 2,5-DI(HYDROXYMETHYL)TETRAHYDROFURANS, DEREN HERSTELLUNG UND VERWENDUNG

Title (fr)  
MONOESTERS ET DIESTERS À CHAÎNE LONGUE DE 2,5-DI(HYDROXYMÉTHYL)TÉTRAHYDROFURANE, LEUR FABRICATION ET LEUR UTILISATION

Publication  
**EP 3204365 A1 20170816 (DE)**

Application  
**EP 15748256 A 20150812**

Priority  
• EP 14187932 A 20141007  
• EP 2015068540 W 20150812

Abstract (en)  
[origin: WO2016055196A1] The invention relates to a mono-and diester of 2,5-di(hydroxymethyl)-tetrahydrofuran, to methods for the production thereof by esterification in the presence of tertiary amines or in the presence of enzymatic esterification catalysts and to the use of said mono-and diester as surface-active compounds, rheology modifiers and emollients. The invention also relates to cosmetic and pharmaceutical agents such as washing, cleaning and dishwashing agents which contain said mono-and diester of 2,5-di(hydroxymethyl)tetrahydrofuran.

IPC 8 full level  
**C07D 307/12** (2006.01); **A01N 43/08** (2006.01); **A61K 8/49** (2006.01); **A61K 31/341** (2006.01); **C08K 5/1535** (2006.01); **C11D 3/20** (2006.01)

CPC (source: CN EP KR US)  
**A01N 43/08** (2013.01 - KR); **A61K 8/4973** (2013.01 - KR US); **A61K 31/341** (2013.01 - KR); **A61K 47/22** (2013.01 - US); **A61Q 19/00** (2013.01 - KR US); **C07D 307/12** (2013.01 - CN EP KR US); **C07D 307/20** (2013.01 - EP US); **C08K 5/1535** (2013.01 - KR); **C11D 1/667** (2013.01 - US); **C11D 3/20** (2013.01 - KR); **C12P 17/04** (2013.01 - US); **C12Y 301/01003** (2013.01 - EP US); **A61K 2800/10** (2013.01 - US)

Citation (search report)  
See references of WO 2016055196A1

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 2016055196 A1 20160414**; BR 112017007205 A2 20180320; CN 107001303 A 20170801; EP 3204365 A1 20170816; JP 2018501190 A 20180118; KR 20170067813 A 20170616; US 2017305871 A1 20171026

DOCDB simple family (application)  
**EP 2015068540 W 20150812**; BR 112017007205 A 20150812; CN 201580066284 A 20150812; EP 15748256 A 20150812; JP 2017518292 A 20150812; KR 20177012047 A 20150812; US 201515517576 A 20150812