

Title (en)  
ESTERS OF OLIGO-HYDROXYCARBOXYLIC ACIDS AND USE THEREOF

Title (de)  
ESTER VON OLIGOHYDROXYCARBONSÄUREN UND DEREN VERWENDUNG

Title (fr)  
ESTERS D'ACIDES OLIGOHYDROXYCARBOXYLIQUES ET UTILISATION DE CEUX-CI

Publication  
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Application  
**EP 14729624 A 20140528**

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Abstract (en)  
[origin: WO2014195208A1] The present invention relates to esters of oligo-hydroxycarboxylic acids, cosmetic and pharmaceutical agents containing said esters and the use of these esters as thickeners, in particular for compositions containing surfactants.

IPC 8 full level  
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**A61K 8/365** (2013.01 - RU); **A61K 8/37** (2013.01 - EP US); **A61K 8/85** (2013.01 - US); **A61K 47/34** (2013.01 - US); **A61Q 19/00** (2013.01 - US); **A61Q 19/10** (2013.01 - EP RU US); **C07C 59/01** (2013.01 - RU); **C07C 59/06** (2013.01 - RU); **C07C 59/08** (2013.01 - RU); **C07C 69/675** (2013.01 - RU); **C07C 69/68** (2013.01 - EP RU US); **C07C 69/70** (2013.01 - RU); **C08G 63/08** (2013.01 - US); **A61K 2800/48** (2013.01 - EP US)

Citation (examination)  
• US 3929870 A 19751230 - DAVID REGINALD, et al  
• WO 2008006058 A2 20080110 - STEPAN CO [US], et al  
• WO 2008006076 A2 20080110 - STEPAN CO [US], et al  
• US 5399353 A 19950321 - BARTNIK FRIEDHELM [DE], et al  
• HITOMI OHARA ET AL: "Lipase-Catalyzed Oligomerization and Hydrolysis of Alkyl Lactates: Direct Evidence in the Catalysis Mechanism That Enantioselection Is Governed by a Deacylation Step", BIOMACROMOLECULES, vol. 11, no. 8, 9 August 2010 (2010-08-09), pages 2008 - 2015, XP055013995, ISSN: 1525-7797, DOI: 10.1021/bm1003674  
• "ALKYL LACTYLLACTATES AND PROCESSES OF MAKING THE SAME AND APPLICATIONS THEREOF", IP.COM JOURNAL, IP.COM INC., WEST HENRIETTA, NY, US, 22 March 2007 (2007-03-22), XP013118723, ISSN: 1533-0001  
• See also references of WO 2014195208A1

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