

Title (en)

PROCESS FOR FUNCTIONALIZATION OF UNSATURATED COMPOUNDS

Title (de)

VERFAHREN ZUR FUNKTIONALISIERUNG VON UNGESÄTTIGTEN VERBINDUNGEN

Title (fr)

PROCEDE DE FONCTIONNALISATION DE COMPOSES INSATURES

Publication

EP 2632886 A1 20130904 (FR)

Application

EP 11784962 A 20111027

Priority

- EP 10290581 A 20101027
- EP 2011068824 W 20111027
- EP 11784962 A 20111027

Abstract (en)

[origin: WO2012055946A1] The present invention relates to a process for synthesis of a multifunctional compound: which comprises reacting a compound of formula (II) with atmospheric or molecular oxygen, in the presence of at least one aldehyde of formula (III), and optionally in the presence of at least one catalyst or of at least one radical initiator: (II) (III) in which: R10, R20, R30, R40, R50, L2, R60, R7, R8 and R9 are as described in the claims. The invention also relates to the use of these compounds as monomers for preparing polyurethane. The invention also relates to the use of these compounds as monomers of polymers or of biopolymers.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

1. **C07C 67/26 + C07C 69/675**
2. **C07C 67/26 + C07C 69/78**
3. **C07C 67/26 + C07C 69/28**
4. **C07C 67/26 + C07C 69/75**

Citation (search report)

See references of WO 2012055946A1

Citation (examination)

- WO 2008100822 A2 20080821 - CHEVRON USA INC [US], et al
- WO 2009097041 A1 20090806 - CHEVRON USA INC [US], et al
- WO 2008124294 A1 20081016 - CHEVRON USA INC [US], et al
- WO 2009139006 A1 20091119 - COUNCIL SCIENT IND RES [IN], et al
- WO 2009085855 A2 20090709 - CHEVRON USA INC [US], et al
- WO 0177105 A1 200111018 - CENTRE NAT RECH SCIENT [FR], et al
- EP 1826202 A1 20070829 - DAICEL CHEM [JP]
- BRYAN R. MOSER ET AL: "Diesters from Oleic Acid: Synthesis, Low Temperature Properties, and Oxidation Stability", JOURNAL OF THE AMERICAN OIL CHEMISTS' SOCIETY, vol. 84, no. 7, 19 July 2007 (2007-07-19), pages 675 - 680, XP055026060, ISSN: 0003-021X, DOI: 10.1007/s11746-007-1083-z
- SALIMON JUMAT ET AL: "Modification of epoxidized ricinoleic acid for biolubricant base oil with improved flash and pour points", ASIAN JOURNAL OF CHEMISTRY, CHEMIC PUBLISHING, SAHIBADAD, IN, vol. 22, no. 7, 1 January 2010 (2010-01-01), pages 5468 - 5476, XP009176719, ISSN: 0970-7077
- KOBAYASHI M ET AL: "The Absolute Stereostructures of the Polyacetylenic Constituents of Ginseng Radix Rubra", TETRAHEDRON, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 53, no. 46, 17 November 1997 (1997-11-17), pages 15691 - 15700, XP004106418, ISSN: 0040-4020, DOI: 10.1016/S0040-4020(97)10026-6

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