

Title (en)

SYNTHESIS OF OMEGA-AMINO CARBOXYLIC ACIDS AND THEIR ESTERS FROM UNSATURATED FATTY ACID DERIVATIVES

Title (de)

SYNTHESE VON OMEGA-AMINOCARBONSÄUREN UND DEREN ESTERN AUS UNGESÄTTIGTEN FETTSÄUREDÉRIVATEN

Title (fr)

SYNTHÈSE D'ACIDES OMÉGA-AMINOCARBOXYLIQUES ET DE LEURS ESTERS À PARTIR DE DÉRIVÉS D'ACIDES GRAS INSATURÉS

Publication

**EP 2585432 A1 20130501 (DE)**

Application

**EP 10785087 A 20101207**

Priority

- DE 102010026196 A 20100625
- EP 2010069039 W 20101207

Abstract (en)

[origin: WO2011160730A1] The invention relates to a method for producing omega-amino acids or their esters, the method being characterized by the following steps: (a) ozonolysis of unsaturated fatty acids or fatty acid derivatives; (b) reductive amination of the reaction mixture obtained from the reaction with ozone to form omega-amino acid or its esters, the reaction being carried out with a C1 to C5 alcohol in the mixture with at least 0.5 wt% water as solvent relative to the total amount of solvent.

IPC 8 full level

**C07C 227/08** (2006.01); **C07C 227/04** (2006.01); **C07C 227/06** (2006.01); **C07C 227/28** (2006.01); **C07C 229/08** (2006.01)

CPC (source: EP US)

**C07C 227/06** (2013.01 - EP US); **C07C 229/08** (2013.01 - EP US); **Y02P 20/141** (2015.11 - EP US)

Citation (search report)

See references of WO 2011160730A1

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)

**DE 102010026196 A1 20111229**; CN 103038209 A 20130410; EP 2585432 A1 20130501; JP 2013530971 A 20130801; JP 5769804 B2 20150826; US 2013165685 A1 20130627; WO 2011160730 A1 20111229

DOCDB simple family (application)

**DE 102010026196 A 20100625**; CN 201080068696 A 20101207; EP 10785087 A 20101207; EP 2010069039 W 20101207; JP 2013515738 A 20101207; US 201013806555 A 20101207