

Title (en)  
METHOD FOR PRODUCING POLYUNSATURATED LONG-CHAIN FATTY ACIDS IN TRANSGENIC ORGANISMS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON MEHRFACH UNGESÄTTIGTEN LANGKETTIGEN FETTSÄUREN IN TRANSGENEN ORGANISMEN

Title (fr)  
PROCEDE DE PRODUCTION D'ACIDES GRAS A LONGUES CHAINES MULTI-INSATURES DANS DES ORGANISMES TRANSGENIQUES

Publication  
**EP 1831358 A2 20070912 (DE)**

Application  
**EP 05821795 A 20051220**

Priority  
• EP 2005056957 W 20051220  
• DE 102004062294 A 20041223

Abstract (en)  
[origin: US2009094707A1] The invention relates to a method for producing polyunsaturated fatty acids in an organism, according to which nucleic acids coding for polypeptides with an acyl-CoA:lysophospholipid-acyltransferase activity are introduced into the organism. Advantageously, said nucleic acid sequences can be expressed in the transgenic organism optionally together with other nucleic acid sequences coding for polypeptides of the fatty acid or lipid metabolism. The invention also relates to the inventive nucleic acid sequences, nucleic acid constructs containing the inventive nucleic acid sequences, vectors containing the inventive nucleic acid sequences and/or the nucleic acid constructs, and transgenic organisms containing said nucleic acid sequences, nucleic acid constructs and/or vectors. The invention further relates to oils, lipids and/or fatty acids produced according to the inventive method, and to the use of the same.

IPC 8 full level  
**C12N 9/10** (2006.01); **A01K 67/027** (2006.01); **C12N 5/10** (2006.01); **C12N 15/54** (2006.01)

CPC (source: EP US)  
**C12N 9/1029** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006069936A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**US 2009094707 A1 20090409; US 7871804 B2 20110118**; AU 2005321344 A1 20060706; BR PI0519254 A2 20090106; CA 2591599 A1 20060706; CN 101072869 A 20071114; DE 102004062294 A1 20060706; EP 1831358 A2 20070912; EP 2180046 A1 20100428; EP 2180046 B1 20140625; IL 183103 A0 20070920; MX 2007006535 A 20070725; NO 20072663 L 20070906; RU 2007127798 A 20090127; WO 2006069936 A2 20060706; WO 2006069936 A3 20070322

DOCDB simple family (application)  
**US 79385405 A 20051220**; AU 2005321344 A 20051220; BR PI0519254 A 20051220; CA 2591599 A 20051220; CN 200580041980 A 20051220; DE 102004062294 A 20041223; EP 05821795 A 20051220; EP 09179432 A 20051220; EP 2005056957 W 20051220; IL 18310307 A 20070510; MX 2007006535 A 20051220; NO 20072663 A 20070525; RU 2007127798 A 20051220