

Title (en)  
BIOTRANSFORMATION USING GENETICALLY MODIFIED CANDIDA

Title (de)  
BIOTRANSFORMATION MITHILFE GENETISCH MODIFIZIERTER CANDIDA

Title (fr)  
BIOTRANSFORMATION À L AIDE DE CANDIDA GÉNÉTIQUEMENT MODIFIÉ

Publication  
**EP 2427559 A4 20130918 (EN)**

Application  
**EP 10800135 A 20100506**

Priority  
• US 2010001361 W 20100506  
• US 17606409 P 20090506  
• US 43672909 A 20090506

Abstract (en)  
[origin: WO2011008231A2] A substantially pure Candida host cell is provided for the biotransformation of a substrate to a product wherein the host cell is characterized by a first genetic modification class that comprises one or more genetic modifications that collectively or individually disrupt at least one alcohol dehydrogenase gene in the substantially pure Candida host cell.

IPC 8 full level  
**C12P 1/02** (2006.01); **C12N 1/00** (2006.01); **C12P 7/62** (2022.01); **C12P 7/6436** (2022.01); **C12P 7/649** (2022.01)

CPC (source: EP US)  
**C12N 9/0006** (2013.01 - EP); **C12N 15/815** (2013.01 - EP); **C12P 7/62** (2013.01 - EP US); **C12P 7/6409** (2013.01 - EP);  
**C12P 7/6431** (2022.01 - EP US); **C12P 7/6436** (2013.01 - EP US); **C12P 7/649** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP)

Citation (search report)  
• [A] US 2004146999 A1 20040729 - FALLON ROBERT D [US], et al  
• [A] ESCHENFELDT WILLIAM H ET AL: "Transformation of fatty acids catalyzed by cytochrome P450 monooxygenase enzymes of Candida tropicalis", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, AMERICAN SOCIETY FOR MICROBIOLOGY, vol. 69, no. 10, 1 October 2003 (2003-10-01), pages 5992 - 5999, XP002438651, ISSN: 0099-2240, DOI: 10.1128/AEM.69.10.5992-5999.2003  
• [A] PICATAGGIO ET AL: "Metabolic engineering of Candida tropicalis for the production of long-chain dicarboxylic acids", BIOTECHNOLOGY. THE INTERNATIONAL MONTHLY FOR INDUSTRIAL BIOLOGY., vol. 10, 1 August 1992 (1992-08-01), pages 894 - 898, XP002113145, ISSN: 0733-222X, DOI: 10.1038/NBT0892-894  
• [A] DEBARBER A E ET AL: "omega-Hydroxylation of farnesol by mammalian cytochromes P450", BIOCHIMICA AND BIOPHYSICA ACTA. MOLECULAR AND CELL BIOLOGY OF LIPIDS, ELSEVIER, AMSTERDAM, NL, vol. 1682, no. 1-3, 1 June 2004 (2004-06-01), pages 18 - 27, XP004510873, ISSN: 1388-1981, DOI: 10.1016/J.BBALIP.2004.01.003  
• [A] AYALA M ET AL: "Enzymatic activation of alkanes: constraints and prospective", APPLIED CATALYSIS A: GENERAL, ELSEVIER SCIENCE, AMSTERDAM, NL, vol. 272, no. 1-2, 28 September 2004 (2004-09-28), pages 1 - 13, XP004527126, ISSN: 0926-860X, DOI: 10.1016/J.APCATA.2004.05.046

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US9909151B2; WO2014100461A3

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 SE SI SK SM TR

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**US 2010001361 W 20100506; EP 10800135 A 20100506**