

Title (en)
GENERATION OF POLYOLS FROM SACCHARIDES

Title (de)
ERZEUGUNG VON POLYOLEN AUS SACCHARIDEN

Title (fr)
OBTENTION DE POLYOLS À PARTIR DE SACCHARIDES

Publication
EP 2736869 A4 20150107 (EN)

Application
EP 12817777 A 20120703

Priority

- US 201113192907 A 20110728
- US 201113192970 A 20110728
- US 2012045343 W 20120703

Abstract (en)
[origin: WO2013015955A2] A process for generating at least one polyol from a feedstock comprising saccharide is performed in a continuous or batch manner. The process involves, contacting, hydrogen, water, and a feedstock comprising saccharide, with a catalyst system to generate an effluent stream comprising at least one polyol and recovering the polyol from the effluent stream. The catalyst system comprises at least one unsupported component and at least one supported component.

IPC 8 full level
C07C 29/157 (2006.01); **B01J 23/40** (2006.01); **C07C 31/26** (2006.01)

CPC (source: CN EP)
B01J 21/18 (2013.01 - CN EP); **B01J 23/6525** (2013.01 - CN EP); **B01J 23/6527** (2013.01 - CN EP); **B01J 23/883** (2013.01 - CN EP); **B01J 23/8871** (2013.01 - CN EP); **B01J 23/888** (2013.01 - CN EP); **B01J 23/8885** (2013.01 - CN EP); **B01J 27/188** (2013.01 - CN EP); **B01J 27/19** (2013.01 - CN EP); **B01J 37/0201** (2013.01 - CN EP); **B01J 37/18** (2013.01 - CN EP); **C07C 29/132** (2013.01 - CN EP); **C07C 29/60** (2013.01 - CN EP); **Y02P 20/52** (2015.11 - EP)

Citation (search report)

- [X] CN 101768050 A 20100707 - UNIV BEIJING
- [E] WO 2013015990 A2 20130131 - UOP LLC [US], et al
- [E] EP 2548858 A1 20130123 - DALIAN CHEMICAL PHYSICS INST [CN]
- [X] EP 2017250 A1 20090121 - KAO CORP [JP]
- [X] JP 2007326849 A 20071220 - KAO CORP
- [I] US 2010256424 A1 20101007 - ZHANG TAO [CN], et al
- [I] WO 2011050691 A1 20110505 - DALIAN CHEMICAL PHYSICS INST [CN], et al
- [X] CHAMINAND J ET AL: "Glycerol hydrogenolysis on heterogeneous catalysts", GREEN CHEMISTRY, ROYAL SOCIETY OF CHEMISTRY, CAMBRIDGE, GB, vol. 6, 1 January 2004 (2004-01-01), pages 359 - 361, XP003016972, ISSN: 1463-9262, DOI: 10.1039/B407378A
- [I] MING-YUAN ZHENG ET AL: "Transition Metal-Tungsten Bimetallic Catalysts for the Conversion of Cellulose into Ethylene Glycol", CHEMSUSCHEM, vol. 3, no. 1, 25 January 2010 (2010-01-25), pages 63 - 66, XP055003506, ISSN: 1864-5631, DOI: 10.1002/cssc.200900197
- See references of WO 2013015955A2

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)
WO 2013015955 A2 20130131; **WO 2013015955 A3 20130321**; BR 112013026705 A2 20161227; CA 2832741 A1 20130131; CN 103608320 A 20140226; EP 2736869 A2 20140604; EP 2736869 A4 20150107; TW 201315540 A 20130416; TW I539994 B 20160701

DOCDB simple family (application)
US 2012045343 W 20120703; BR 112013026705 A 20120703; CA 2832741 A 20120703; CN 201280028835 A 20120703; EP 12817777 A 20120703; TW 101126858 A 20120725