

Title (en)  
PROCESSES FOR PRODUCING DENATURED ETHANOL

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON DENATURIERTEM ETHANOL

Title (fr)  
PROCÉDÉS DE PRODUCTION D'ÉTHANOL DÉNATURÉ

Publication  
**EP 2531476 A2 20121212 (EN)**

Application  
**EP 11703340 A 20110201**

Priority

- US 88926010 A 20100923
- US 33269610 P 20100507
- US 33272710 P 20100507
- US 30081510 P 20100202
- US 2011023322 W 20110201

Abstract (en)  
[origin: WO2011097217A2] Processes for producing a denatured ethanol composition comprising the steps of hydrogenating an acetic acid feed in the presence of a catalyst to form a crude ethanol product comprising ethanol, and at least one denaturant and separating the crude ethanol product in one or more separation units into a denatured ethanol composition and one or more derivative streams. The denatured ethanol composition comprises from.01 wt.% to 40 wt % denaturant, based on the total weight of the denatured ethanol composition.

IPC 8 full level  
**C07C 29/149** (2006.01)

CPC (source: EP KR US)  
**C07B 61/00** (2013.01 - US); **C07C 27/06** (2013.01 - US); **C07C 29/149** (2013.01 - EP KR US); **C07C 29/80** (2013.01 - KR); **C07C 29/84** (2013.01 - EP KR US); **C07C 31/08** (2013.01 - KR); **C07C 45/41** (2013.01 - EP US); **C07C 45/48** (2013.01 - EP US); **C07C 49/08** (2013.01 - EP US); **C09K 3/00** (2013.01 - US); **C10L 1/02** (2013.01 - US); **C10L 1/023** (2013.01 - EP US); **C10L 1/026** (2013.01 - US); **C10L 1/10** (2013.01 - US); **C10L 1/125** (2013.01 - US); **C10L 1/1616** (2013.01 - US); **C10L 1/182** (2013.01 - US); **C10L 1/1824** (2013.01 - US); **C10L 1/1857** (2013.01 - US); **C10L 1/1881** (2013.01 - US); **C10L 1/19** (2013.01 - US)

Citation (search report)  
See references of WO 2011097217A2

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 2011097217 A2 20110811; WO 2011097217 A3 20111103**; AU 2011213056 A1 20120802; BR 112012019360 A2 20180508; CA 2787786 A1 20110811; CN 102421734 A 20120418; CN 102421734 B 20151125; CO 6602151 A2 20130118; EP 2531476 A2 20121212; IL 221220 A0 20121031; JP 2013518819 A 20130523; KR 20120130765 A 20121203; MX 2012008935 A 20120815; NZ 601367 A 20140725; RU 2012137254 A 20140310; SG 182694 A1 20120830; TW 201132619 A 20111001

DOCDB simple family (application)  
**US 2011023322 W 20110201**; AU 2011213056 A 20110201; BR 112012019360 A 20110201; CA 2787786 A 20110201; CN 201180002008 A 20110201; CO 12120104 A 20120717; EP 11703340 A 20110201; IL 22122012 A 20120731; JP 2012551383 A 20110201; KR 20127022895 A 20110201; MX 2012008935 A 20110201; NZ 60136711 A 20110201; RU 2012137254 A 20110201; SG 2012054706 A 20110201; TW 100103895 A 20110201