

Title (en)
METHOD FOR PREREFORMING ETHANOL

Title (de)
VERFAHREN ZUM PREREFORMING VON ETHANOL

Title (fr)
PROCÉDÉ DE PRÉ-REFORMAGE D'ÉTHANOL

Publication
EP 2285737 A2 20110223 (DE)

Application
EP 09735973 A 20090421

Priority

- EP 2009054704 W 20090421
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- EP 09735973 A 20090421

Abstract (en)
[origin: WO2009130197A2] The invention relates to a method for breaking down ethanol into C1 units in a prereformer. According to said method, ethanol and water vapor are reacted on a catalyst comprising platinum on a carrier containing a mixture of ZrO₂ and CeO₂ at a temperature in the range of 300 to 550° C.

IPC 8 full level
C01B 3/32 (2006.01); **B01J 23/56** (2006.01); **C01B 32/40** (2017.01)

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B01J 23/63 (2013.01 - EP KR US); **B01J 37/0009** (2013.01 - EP US); **B01J 37/0201** (2013.01 - EP US); **C01B 3/326** (2013.01 - EP US); **C01B 3/38** (2013.01 - KR); **C01B 3/382** (2013.01 - KR); **C01B 3/40** (2013.01 - EP US); **C01B 32/40** (2017.07 - KR); **C07C 1/20** (2013.01 - KR); **C01B 2203/0233** (2013.01 - EP US); **C01B 2203/107** (2013.01 - EP US); **C01B 2203/1082** (2013.01 - EP US); **C01B 2203/1229** (2013.01 - EP US); **Y02P 20/52** (2015.11 - EP US)

Citation (search report)
See references of WO 2009130197A2

Citation (examination)
WO 2008004588 A1 20080110 - CATALER CORP [JP], et al

Designated contracting state (EPC)
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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009130197 A2 20091029; WO 2009130197 A3 20091217; EP 2285737 A2 20110223; JP 2011521900 A 20110728; JP 5690716 B2 20150325; KR 20110008253 A 20110126; US 2011036012 A1 20110217

DOCDB simple family (application)
EP 2009054704 W 20090421; EP 09735973 A 20090421; JP 2011505481 A 20090421; KR 20107025967 A 20090421; US 98872709 A 20090421