

Title (en)

METHODS FOR PRODUCING HYDROCARBON PRODUCTS FROM BIO-OILS AND/OR COAL -OILS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KOHLENWASSERSTOFFPRODUKTEN AUS BIOÖLEN UND/ODER KOHLEÖLEN

Title (fr)

PROCÉDÉS POUR PRODUIRE DES PRODUITS HYDROCARBONÉS À PARTIR DE BIO-HUILES ET/OU D'HUILES LOURDES DE CHARBON

Publication

EP 2494006 A4 20140122 (EN)

Application

EP 10827206 A 20101027

Priority

- NZ 58065309 A 20091027
- NZ 58065409 A 20091027
- NZ 2010000215 W 20101027

Abstract (en)

[origin: WO2011053166A1] The present invention relates to a method for producing a hydrocarbon product from coal and/or biomass comprising the following steps: converting the coal to a coal-oil and/or converting the biomass to bio-oil, optionally processing the coal-oil and/or bio-oil in a hydroprocessing reaction to remove one or more of oxygen, nitrogen or sulfur from hydrocarbon compounds in the coal-oil and/or bio-oil; and using at least a portion of the coal-oil and/or bio-oil as a feedstock in a cracking reaction to convert hydrocarbon compounds in the feedstock into a mixture of smaller hydrocarbon compounds comprising the hydrocarbon product.

IPC 8 full level

C10G 3/00 (2006.01); **C10G 1/00** (2006.01)

CPC (source: EP US)

C10G 1/002 (2013.01 - US); **C10G 1/02** (2013.01 - EP US); **C10G 1/06** (2013.01 - EP US); **C10G 1/10** (2013.01 - EP US);
C10G 3/42 (2013.01 - EP US); **C10G 3/46** (2013.01 - EP US); **C10G 3/50** (2013.01 - EP US); **C10G 9/36** (2013.01 - EP US);
C10G 11/00 (2013.01 - EP US); **C10G 11/18** (2013.01 - EP US); **C10G 45/02** (2013.01 - EP US); **C10G 45/06** (2013.01 - EP US);
C10G 45/08 (2013.01 - EP US); **C10G 45/12** (2013.01 - EP US); **C10G 69/04** (2013.01 - EP US); **C10L 1/06** (2013.01 - EP US);
C10G 2300/1011 (2013.01 - EP US); **C10G 2300/1014** (2013.01 - EP US); **C10G 2300/1085** (2013.01 - EP US);
C10G 2300/201 (2013.01 - EP US); **C10G 2300/202** (2013.01 - EP US); **C10G 2300/42** (2013.01 - EP US); **C10G 2300/807** (2013.01 - EP US);
C10G 2400/02 (2013.01 - EP US); **C10G 2400/20** (2013.01 - EP US); **Y02P 30/20** (2015.11 - EP US)

Citation (search report)

- [X] GB 2163776 A 19860305 - CHEVRON RES
- See references of WO 2011053166A1

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 2011053166 A1 20110505; AU 2010313862 A1 20120607; AU 2010313862 B2 20141023; BR 112012010055 A2 20160531;
BR 112012010055 A8 20171017; CA 2779196 A1 20110505; CA 2779196 C 20180918; CN 102712850 A 20121003; CN 102712850 B 20160803;
EP 2494006 A1 20120905; EP 2494006 A4 20140122; KR 201201010 A 20120912; NZ 599954 A 20130222; US 2013184505 A1 20130718

DOCDB simple family (application)

NZ 2010000215 W 20101027; AU 2010313862 A 20101027; BR 112012010055 A 20101027; CA 2779196 A 20101027;
CN 201080056851 A 20101027; EP 10827206 A 20101027; KR 20127013200 A 20101027; NZ 59995410 A 20101027;
US 201013504383 A 20101027