

Title (en)

PYROLYTIC CONVERSION OF CELLULOSE AND/OR HEMICELLULOSE DISSOLVED IN AN IONIC LIQUID

Title (de)

PYROLYTISCHE UMWANDLUNG VON IN IONENFLÜSSIGKEIT AUFGELÖSTER CELLULOSE UND/ODER HEMICELLULOSE

Title (fr)

CONVERSION PYROLYTIQUE DE CELLULOSE ET/OU HÉMICELLULOSE DISSOUTE DANS UN LIQUIDE IONIQUE

Publication

EP 2473582 A2 20120711 (EN)

Application

EP 10763255 A 20100901

Priority

- US 23872009 P 20090901
- US 2010047500 W 20100901

Abstract (en)

[origin: WO2011028783A2] A process is disclosed for converting cellulose to liquid fuels. In the process the cellulose is dissolved in an Ionic Liquid medium. The conversion process may comprise pyrolysis, thermal cracking, hydrocracking, catalytic cracking, hydrotreatment, or a combination thereof. The dissolved cellulose is preferably hydrolyzed, prior to the conversion reaction. The Ionic Liquid medium preferably is an inorganic molten salt hydrate.

IPC 8 full level

C08B 1/00 (2006.01); **C10G 1/04** (2006.01); **C10G 3/00** (2006.01)

CPC (source: EP US)

C08B 1/003 (2013.01 - EP US); **C08H 8/00** (2013.01 - EP US); **C10G 1/02** (2013.01 - EP US); **C10G 1/04** (2013.01 - EP US); **C10G 1/045** (2013.01 - EP US); **C10G 1/06** (2013.01 - EP US); **C10G 1/065** (2013.01 - EP US); **C10G 3/00** (2013.01 - EP US); **C10G 3/42** (2013.01 - EP US); **C10G 45/04** (2013.01 - EP US); **C10G 2300/1014** (2013.01 - EP US); **C10G 2300/44** (2013.01 - EP US); **C10G 2400/02** (2013.01 - EP US); **C10G 2400/26** (2013.01 - EP US); **Y02P 30/20** (2015.11 - EP US)

Citation (search report)

See references of WO 2011028783A2

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)

WO 2011028783 A2 20110310; **WO 2011028783 A3 20110505**; EP 2473582 A2 20120711; US 2012323057 A1 20121220

DOCDB simple family (application)

US 2010047500 W 20100901; EP 10763255 A 20100901; US 201013391766 A 20100901