

Title (en)
SIMULTANEOUS CATALYTIC CONVERSION OF CELLULOSE AND LIGNIN TO A LIQUID FUEL IN AN IONIC LIQUID

Title (de)
GLEICHZEITIGE KATALYTISCHE UMWANDLUNG VON CELLULOSE UND LIGNIN IN EINEN FLÜSSIGBRENNSTOFF IN EINER IONISCHEN FLÜSSIGKEIT

Title (fr)
CONVERSION CATALYTIQUE SIMULTANÉE DE CELLULOSE ET DE LIGNINE EN UN COMBUSTIBLE LIQUIDE DANS UN LIQUIDE IONIQUE

Publication
EP 2473533 A1 20120711 (EN)

Application
EP 10766380 A 20100901

Priority
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• US 2010047490 W 20100901

Abstract (en)
[origin: WO2011028776A1] A process is disclosed for converting lignocellulosic material 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 conversion reaction is carried out in the presence of lignin. The lignin is at least partially converted in the process. The Ionic Liquid medium preferably is an inorganic molten salt hydrate.

IPC 8 full level
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CPC (source: EP US)
C08B 1/003 (2013.01 - EP US); **C08H 8/00** (2013.01 - EP US); **C10G 1/002** (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 1/08** (2013.01 - EP US); **C10G 3/42** (2013.01 - EP US); **C10G 3/45** (2013.01 - EP US); **C10G 3/46** (2013.01 - EP US); **C10G 3/50** (2013.01 - EP US); **C10G 45/04** (2013.01 - EP US); **C10L 1/04** (2013.01 - EP US); **C10L 1/06** (2013.01 - EP US); **B01J 31/0277** (2013.01 - EP US); **C10G 2300/1014** (2013.01 - EP US); **C10G 2300/1055** (2013.01 - EP US); **C10G 2300/107** (2013.01 - EP US); **C10G 2300/1077** (2013.01 - EP US); **C10G 2400/02** (2013.01 - EP US); **C10G 2400/26** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP US); **Y02P 30/20** (2015.11 - EP US)

Citation (search report)
See references of WO 2011028776A1

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