

Title (en)
METHOD FOR PRODUCING A SYNTHETIC MATERIAL, IN PARTICULAR A SYNTHETIC FUEL OR RAW MATERIAL, AN ASSOCIATED DEVICE AND APPLICATIONS FOR SAID METHOD

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES SYNTHETISCHEN STOFFES, INSB. EINES SYNTHETISCHEN BRENNSTOFFES ODER ROHSTOFFES, ZUGEHÖRIGE VORRICHTUNG UND ANWENDUNGEN DIESES VERFAHRENS

Title (fr)
PROCÉDÉ DE PRODUCTION D'UNE MATIÈRE DE SYNTHÈSE, EN PARTICULIER D'UN COMBUSTIBLE OU D'UNE MATIÈRE PREMIÈRE DE SYNTHÈSE, DISPOSITIF CORRESPONDANT ET APPLICATIONS DE CE PROCÉDÉ

Publication
EP 2350349 A2 20110803 (DE)

Application
EP 09753058 A 20091026

Priority
• EP 2009064090 W 20091026
• DE 102008053334 A 20081027

Abstract (en)
[origin: WO2010049393A2] The production of synthetic fuels (synfuel) is known in principle from the GTL (Gas To Liquid) process. It is proposed that a high-temperature electrolyzer be operated using a favorable energy source and to react the incident hydrogen gas with CO₂ catalytically. This will generate synthetic raw materials, in particular for the chemical industry as well as a fuel for motor vehicles. In addition to the generation of materials, the method is suitable for ensuring that CO₂ incident in many industrial processes which otherwise has negative global effects as a climate-damaging gas, is treated.

IPC 8 full level
C25B 1/04 (2006.01); **C10G 2/00** (2006.01)

CPC (source: EP US)
C10G 2/50 (2013.01 - EP US); **C25B 1/04** (2013.01 - EP US); **Y02E 60/36** (2013.01 - EP US); **Y02P 20/133** (2015.11 - EP US)

Citation (search report)
See references of WO 2010049393A2

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 SM TR

DOCDB simple family (publication)
WO 2010049393 A2 20100506; WO 2010049393 A3 20100624; CN 102264949 A 20111130; DE 102008053334 A1 20100708; EP 2350349 A2 20110803; US 2011253550 A1 20111020

DOCDB simple family (application)
EP 2009064090 W 20091026; CN 200980152345 A 20091026; DE 102008053334 A 20081027; EP 09753058 A 20091026; US 200913125818 A 20091026