

Title (en)
PRODUCTION OF HYDROCARBON FUELS FROM WASTE PLASTIC

Title (de)
HERSTELLUNG VON KOHLENWASSERSTOFFBRENNSTOFFEN AUS KUNSTSTOFFABFÄLLEN

Title (fr)
PRODUCTION DE COMBUSTIBLES HYDROCARBONÉS À PARTIR DE DÉCHETS PLASTIQUES

Publication
EP 3818132 A1 20210512 (EN)

Application
EP 19737518 A 20190705

Priority

- NO 20180957 A 20180706
- EP 2019068143 W 20190705

Abstract (en)
[origin: WO2020008050A1] The present invention relates to a method for producing fuel and additional hydrocarbons from waste plastic comprising the steps of providing at least one plastic material; exposing said at least one plastic material to a primary cracking to obtain a first hydrocarbon fluid; said first hydrocarbon fluid being a gas; exposing said first hydrocarbon gas to a catalytic hydrogenation to obtain a second hydrocarbon fluid; fractional separation of said second hydrocarbon fluid to obtain at least one final product. The present invention further relates to a waste recycling system for recycling waste plastic into fluid hydrocarbon compounds.

IPC 8 full level
C10G 1/10 (2006.01); **C10G 1/00** (2006.01); **C10G 1/02** (2006.01); **C10G 11/00** (2006.01); **C10G 45/00** (2006.01); **C10G 69/04** (2006.01)

CPC (source: EP KR NO US)
C10G 1/002 (2013.01 - EP KR US); **C10G 1/02** (2013.01 - EP KR NO US); **C10G 1/10** (2013.01 - EP KR NO US); **C10G 11/00** (2013.01 - EP KR); **C10G 11/05** (2013.01 - US); **C10G 45/00** (2013.01 - EP KR US); **C10G 69/04** (2013.01 - EP KR US); **C10G 2300/1003** (2013.01 - EP KR US); **C10G 2400/04** (2013.01 - US); **C10G 2400/22** (2013.01 - US)

Citation (examination)
US 2016264874 A1 20160915 - NARAYANASWAMY RAVICHANDER [IN], et al

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020008050 A1 20200109; AU 2019297562 A1 20210128; AU 2019297562 B2 20221208; AU 2023201128 A1 20230330; BR 112021000086 A2 20210406; CA 3104894 A1 20200109; CN 112912470 A 20210604; EP 3818132 A1 20210512; KR 20210057722 A 20210521; MX 2021000164 A 20210527; NO 20180957 A1 20200107; NO 20200042 A1 20200110; NO 345506 B1 20210315; SG 11202013251T A 20210128; US 2021269721 A1 20210902

DOCDB simple family (application)
EP 2019068143 W 20190705; AU 2019297562 A 20190705; AU 2023201128 A 20230224; BR 112021000086 A 20190705; CA 3104894 A 20190705; CN 201980051433 A 20190705; EP 19737518 A 20190705; KR 20217003696 A 20190705; MX 2021000164 A 20190705; NO 20180957 A 20180706; NO 20200042 A 20200110; SG 11202013251T A 20190705; US 201917258249 A 20190705