

Title (en)
METHOD OF TREATING WASTE PLASTIC

Title (de)
VERFAHREN ZUR BEHANDLUNG VON KUNSTSTOFFABFÄLLEN

Title (fr)
PROCÉDÉ DE TRAITEMENT DE DÉCHETS DE PLASTIQUE

Publication
EP 4174150 A1 20230503 (EN)

Application
EP 21205587 A 20211029

Priority
EP 21205587 A 20211029

Abstract (en)
A method of processing liquefied waste plastic (LWP) is provided. The method comprises step a) hydrotreating a stream of liquified waste plastic (LWP) in presence of hydrogen and a catalyst in a first hydrotreatment step in mild hydrotreatment conditions, to form a stream of hydrotreated LWP, in a reactor system comprising at least one reactor each containing at least one catalyst bed, and step b) blending said stream of hydrotreated LWP with a stream comprising hydrocarbons to form a mixed stream of hydrotreated LWP and hydrocarbons. Provided is also a purified hydrocarbon product.

IPC 8 full level
C10G 1/10 (2006.01); **C10G 1/00** (2006.01); **C10G 9/36** (2006.01); **C10G 45/08** (2006.01); **C10G 65/02** (2006.01)

CPC (source: EP)
C10G 1/002 (2013.01); **C10G 1/10** (2013.01); **C10G 9/36** (2013.01); **C10G 45/08** (2013.01); **C10G 65/02** (2013.01); **C10G 2300/202** (2013.01)

Citation (applicant)
WO 2021110395 A1 20210610 - IFP ENERGIES NOW [FR]

Citation (search report)
• [X] WO 2021204819 A1 20211014 - TOTAL RES & TECHNOLOGY FELUY [BE]
• [X] FR 3107530 A1 20210827 - IFP ENERGIES NOW [FR]
• [X] WO 2021105326 A1 20210603 - NESTE OYJ [FI]

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4174150 A1 20230503; EP 4174150 B1 20240925

DOCDB simple family (application)
EP 21205587 A 20211029