

Title (en)

PRODUCTION OF HYDROCARBON FUELS FROM PLASTICS

Title (de)

HERSTELLUNG VON KOHLENWASSERSTOFFBRENNSTOFFEN AUS KUNSTSTOFFEN

Title (fr)

PRODUCTION DE COMBUSTIBLES HYDROCARBONÉS À PARTIR DE PLASTIQUES

Publication

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Application

EP 16867448 A 20161123

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- AU 2016051144 W 20161123

Abstract (en)

[origin: WO2017088015A1] Disclosed herein is a kiln (100) for use in the production of hydrocarbon fuels from plastics. The kiln (100) comprises a scrubber (200) in fluid communication with a reaction chamber (130), the scrubber (200) being configured to condense hydrocarbons in the reaction chamber gas product stream (501) above a predetermined upper hydrocarbon range for returning to the reaction chamber (130) for further heating in the absence of oxygen. Also disclosed herein is a method of converting waste plastics to a commercially-useful form by way of diesel or the like. The method comprises treating a crude fuel produced from plastics in a pyrolytic process with a first extraction step comprising counterflow liquid-liquid extraction, and a second extraction step comprising counterflow extraction of solvents from the first extraction step.

IPC 8 full level

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Citation (search report)

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