

Title (en)
PROCESS FOR RENEWABLE FUELS USING A MULTISTAGE APPROACH

Title (de)
VERFAHREN FÜR ERNEUERBARE BRENNSTOFFE UNTER VERWENDUNG EINES MEHRSTUFIGEN ANSATZES

Title (fr)
PROCÉDÉ DE PRODUCTION DE COMBUSTIBLES RENOUVELABLES À L'AIDE D'UNE APPROCHE EN PLUSIEURS ÉTAPES

Publication
EP 3794092 A4 20220105 (EN)

Application
EP 18919372 A 20180518

Priority
US 2018033467 W 20180518

Abstract (en)
[origin: WO2019221751A1] The invention relates to a method to reduce the formation of high molecular weight compounds and catalyst coking in the production of renewable diesel. Renewable diesel is produced using hydrogenation, decarboxylation, decarbonylation, and/or hydrodeoxygenation of renewable feedstocks such as animal and/or plant fats, oils, and/or greases (FOG). By first reacting the most reactive species in the FOG in an initial reaction zone prior to the main reaction zone, maximum reaction temperatures and side reactions that lead to the formation of high molecular weight compounds are reduced. This reduces catalyst coking (extends catalyst life) and improves product quality.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [X] US 2011094148 A1 20110428 - WEISS WILFRIED [FR], et al
• [X] WO 2007003709 A1 20070111 - NESTE OIL OYJ [FI], et al
• [X] US 2017022424 A1 20170126 - CHAPUS THIERRY [FR], et al
• See also references of WO 2019221751A1

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