

Title (en)

PROCESS FOR TREATING PLASTIC PYROLYSIS OIL INCLUDING HYDROCRACKING IN TWO STEPS

Title (de)

VERFAHREN ZUR BEHANDLUNG VON KUNSTSTOFFPYROLYSEÖLEN MIT ZWEI HYDROCRACKINGSCHRITTEN

Title (fr)

PROCÉDÉ DE TRAITEMENT D'HUILES DE PYROLYSE DE PLASTIQUES INCLUANT UN HYDROCRAQUAGE EN DEUX ÉTAPES

Publication

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Application

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Abstract (en)

[origin: WO2022023263A1] The present invention relates to a method for treating a plastic pyrolysis oil, comprising: (a) selectively hydrogenating said feedstock to obtain a hydrogenated effluent; (b) hydrotreating said hydrogenated effluent to obtain a hydrotreated effluent; (c) performing a first hydrocracking step on said hydrotreated effluent to obtain a first hydrocracked effluent; (d) separating the hydrocracked effluent in the presence of an aqueous stream, to obtain a gaseous effluent, a liquid aqueous effluent and a liquid hydrocarbon effluent; (e) fractionating the liquid hydrocarbon effluent to obtain at least one gas stream, at least one naphtha cut and a heavier cut; (f) performing a second hydrocracking step on the heavier cut to obtain a second hydrocracked effluent; (g) recycling at least a portion of said second hydrocracked effluent in said separation step (d).

IPC 8 full level

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