

Title (en)

METHOD FOR THE TREATMENT OF PLASTIC PYROLYSIS OILS INCLUDING TWO-STAGE HYDROCRACKING

Title (de)

VERFAHREN ZUR BEHANDLUNG VON KUNSTSTOFFPYROLYSEÖLEN MIT ZWEISTUFIGEM HYDROCRACKING

Title (fr)

PROCEDE DE TRAITEMENT D'HUILES DE PYROLYSE DE PLASTIQUES INCLUANT UN HYDROCRAQUAGE EN DEUX ETAPES

Publication

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Application

EP 21751787 A 20210726

Priority

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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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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2022023263A1

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