

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

ABSTRACT

The present invention relates to a process for treating a plastics pyrolysis oil, comprising:

- 5 a) selective hydrogenation of said feedstock in the presence of at least hydrogen and of at least one selective hydrogenation catalyst;
- b) hydrotreatment of said hydrogenated effluent in the presence of at least hydrogen and of at least one hydrotreatment catalyst, to obtain a hydrotreated effluent;
- c) hydrocracking of said hydrotreated effluent in the presence of at least hydrogen and of at
10 least one hydrocracking catalyst, to obtain a hydrocracked effluent;
- d) separation of the hydrocracked effluent in the presence of an aqueous stream, at a temperature of between 50 and 370°C, to obtain at least one gaseous effluent, an aqueous liquid effluent and a hydrocarbon-based liquid effluent.

15 [Figure 1]