

## PROCESS FOR CONVERTING A FEEDSTOCK CONTAINING PYROLYSIS OIL

## ABSTRACT

The invention relates to a process for converting a feedstock comprising pyrolysis oil and a heavy hydrocarbon-based feedstock, with:

- 5 a) a step of hydroconversion in a reactor;
- b) a step of separating the liquid effluent obtained from step a) into a naphtha fraction, a gas oil fraction, a vacuum gas oil fraction and an unconverted residue fraction;
- c) a step of hydrocracking of the vacuum gas oil fraction;
- d) a step of fractionating the hydrocracked liquid effluent obtained from step c) into a naphtha  
10 fraction, a gas oil fraction and a vacuum gas oil fraction;
- e) a step of steam cracking of a portion of the naphtha fraction obtained from step d);
- f) a step of fractionating at least a portion of the steam-cracked effluent obtained from step e);
- g) a step in which the pyrolysis oil fraction obtained from step f) is sent into step a).

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**[Fig. 1]**