

ABSTRACT

TITLE: METHOD FOR PRODUCING HYDROCARBON SOLVENTS WITH BOILING POINT ABOVE 300 °C AND POUR POINT LOWER THAN OR EQUAL TO -25 °C.

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A method for producing hydrocarbon solvents having a sulfur content of less than 10 ppm, aromatic hydrocarbon content of less than 500 ppm, an initial boiling point higher than or equal to 300 °C and final boiling point lower than or equal to 500 °C, for a fraction interval of a maximum of 100 °C, and pour point lower than -25 °C according to the standard ASTM D5950, comprising of the following steps of:

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- dewaxing of a hydrocarbon fraction having initial boiling point higher than 300 °C derived from the distillation of a gas oil fraction,

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- hydrodearomatisation of all or part of the dewaxed effluent, in the presence of a catalyst comprising nickel on an alumina base, at a pressure ranging from 60 to 200 bar and a temperature ranging from 80 °C to 250 °C,

- recovery of the dewaxed and dearomatised fraction,

- distillation in fractions of the dewaxed and dearomatised fraction,

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- recovery of at least one 300 °C+ fraction having pour point lower than -25 °C, this fraction having a distillation interval lower than 100 °C.

Figure for Abstract: Figure 1