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ACTION

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(54) Title: PROCESS FOR THE PREPARATION OF MIDDLE DISTILLATES

(57) Abstract: A process for the preparation of one or more hydrocarbon fuel products boiling in the kero/diesel range from a stream of hydrocarbons produced in a Fischer-Tropsch process, in which process synthesis gas is converted into liquid hydrocarbons, at least a part of the hydrocarbons boiling above the kero/diesel range, comprising the following steps: (1) hydrocracking/hydroisomerising at least a part of the Fischer-Tropsch hydrocarbons stream at a conversion per pass of at most 80 wt% of the material boiling above 370 °C into material boiling below 370 °C, (2) separating the product stream obtained in step (1) into one or more light fractions boiling below the kero/diesel boiling range, one or more fractions boiling in the kero/diesel boiling range and a heavy fraction boiling above the kero/diesel boiling range, (3) hydrocracking/hydroisomerising the major part of the heavy fraction obtained in step (2) at a conversion per pass of at most 80 wt% of the material boiling above 370 °C into material boiling below 370 °C, (4) separating the product stream obtained in step (3) into one or more light fractions boiling below the kero/diesel boiling range, one or more fractions boiling in the kero/diesel boiling range and a heavy fraction boiling above the kero/diesel boiling range, (5) hydrocracking/hydroisomerising the major part of the heavy fraction obtained in step (4) in the hydrocracking/hydroisomerising process described in step (1) and/or step (3), in which process the Fischer-Tropsch hydrocarbons stream comprises at least 35 wt% C_{30}+ (based on total amount of hydrocarbons in the Fischer-Tropsch hydrocarbons stream) and in which stream the weight ratio C_{60}+/C_{30}+ is at least 0.2.