

Title (en)

PROCESS TO PREPARE FISCHER-TROPSCH DERIVED MIDDLE DISTILLATES AND BASE OILS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON AUS FISCHER-TROPSCH-ABGELEITETEN MITTELDESTILLATEN UND BASISÖLEN

Title (fr)

PROCÉDÉ DE PRÉPARATION DE DISTILLATS INTERMÉDIAIRES ET D'HUILES DE BASE DÉRIVÉS DE FISCHER-TROPSCH

Publication

EP 4001380 A1 20220525 (EN)

Application

EP 20208595 A 20201119

Priority

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Abstract (en)

The invention provides a process to prepare at least middle distillates and base oils from a Fischer-Tropsch derived feedstock, by (a) providing a Fischer-Tropsch derived feedstock containing nitrogen through addition of a nitrogen containing compound selected from ammonia, HCN, NO, amines, nitriles and a heterocyclic compound containing at least one nitrogen atom as ring member of a heterocyclic ring to a Fischer-Tropsch reactor; (b) subjecting the feedstock of step (a) to a hydroprocessing step in the presence of one or more catalysts to obtain a first mixture comprising one or more middle distillate fractions and a first residual fraction and naphtha fraction; (c) separating the first mixture as obtained in step (b) by means of atmospheric distillation into one or more middle distillate fractions, a first residual fraction and a naphtha fraction; (d) separating the first residual fraction by means of vacuum distillation into at least a distillate base oil fraction and a second residual fraction.

IPC 8 full level

C10G 45/58 (2006.01); **C10G 47/00** (2006.01); **C10G 65/12** (2006.01)

CPC (source: EP)

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Citation (applicant)

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