

Title (en)

RAPID THERMAL PROCESSING OF HEAVY OIL FEEDSTOCKS

Title (de)

THERMISCHES KURZZEITVERFAHREN ZUR BEHANDLUNG VON SCHWERÖLEINSATZSTOFFEN

Title (fr)

TRAITEMENT THERMIQUE RAPIDE DE CHARGES DE PÉTROLE LOURD

Publication

EP 2336274 A1 20110622 (EN)

Application

EP 10184110 A 20000407

Priority

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Abstract (en)

The present invention is directed to the use of an upgraded liquid feedstock as a product for pipeline transport to permit further processing of the upgraded liquid feedstock elsewhere. The upgraded liquid feedstock is produced from a heavy hydrocarbon feedstock, which is not transportable by pipeline to an offsite location without addition of diluents, by a method for upgrading a heavy hydrocarbon feedstock comprises introducing a particulate heat carrier into an upflow reactor, introducing the heavy hydrocarbon feedstock into the upflow reactor at a location above that of the particulate heat carrier so that a loading ratio of the particulate heat carrier to feedstock is from about 15:1 to about 200:1, allowing the heavy hydrocarbon feedstock to interact with the heat carrier with a residence time of less than about 1 second, to produce a product stream, separating the product stream from the particulate heat carrier, regenerating the particulate heat carrier, and collecting a gaseous and liquid product from the product stream. The upgraded feedstock exhibiting reduced viscosity and increased API gravity.

IPC 8 full level

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CPC (source: EP US)

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