

A B S T R A C T

PROCESS FOR UPGRADING A HYDROCARBONACEOUS
FEEDSTOCK AND APPARATUS FOR USE THEREIN

Process for upgrading a hydrocarbonaceous feedstock which process comprises separating the feedstock in the presence of hydrogen at elevated temperature and a partial hydrogen pressure greater than 50 bar into a high boiling fraction and a low boiling fraction and subjecting at least part of the low boiling fraction substantially boiling in the gasoline range to a hydrotreating step under substantially the same conditions as prevailing in the separation step, and recovering from the hydrotreating step a product substantially boiling in the gasoline range and being of improved quality.

The invention further relates to an apparatus for carrying out the present process comprising a vessel having inlet means for the hydrocarbonaceous feedstock and hydrogen, outlet means for the high boiling fraction in the bottom section of the vessel, outlet means for the low boiling fraction in the upper section of the vessel, and a catalyst bed for carrying out the hydrotreating step arranged in the upper section of the vessel.

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