

Title (en)
OXIDATIVE DESULFURIZATION OF OIL FRACTIONS AND SULFONE MANAGEMENT USING AN FCC

Title (de)
OXIDATIVE ENTSCHEFELUNG VON ÖLFRAKTIONEN UND SULFONVERWALTUNG UNTER VERWENDUNG EINES FCC-VERFAHRENS

Title (fr)
DÉSULFURATION OXYDATIVE DE FRACTIONS D'HUILES ET GESTION DES SULFONES À L'AIDE D'UN CRAQUAGE CATALYTIQUE FLUIDE

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Application
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Abstract (en)
[origin: WO2018152521A1] Embodiments provide a method and apparatus for recovering components from a hydrocarbon feedstock. According to at least one embodiment, the method includes supplying a hydrocarbon feedstock to an oxidation reactor, wherein the hydrocarbon feedstock is oxidized in the presence of a catalyst under conditions sufficient to selectively oxidize sulfur compounds and nitrogen compounds present in the hydrocarbon feedstock, separating the hydrocarbons, the oxidized sulfur compounds, and the oxidized nitrogen compounds by solvent extraction, collecting a residue stream that includes the oxidized sulfur compounds and the oxidized nitrogen compound, and supplying the first residue stream to a fluid catalytic cracking unit. The first residue stream is further supplied through a hydrotreater prior to supplying the first residue stream to the fluid catalytic cracking unit.

IPC 8 full level
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