

Title (en)
TARGETED HYDROGENATION HYDROCRACKING

Title (de)
HYDROCRACKEN MIT GEZIELTER HYDRIERUNG

Title (fr)
HYDROCRAQUAGE À HYDROGÉNATION CIBLÉE

Publication
EP 2227518 A2 20100915 (EN)

Application
EP 08867887 A 20081215

Priority
• US 2008086831 W 20081215
• US 475107 A 20071221

Abstract (en)
[origin: US2009159493A1] This invention is directed to a process scheme in which a partial conversion hydrocracking (HCR) unit, preferably preceded by a hydrotreating unit, feeds unconverted oil to a FCC (fluid catalytic cracking) unit. Most refineries run the FCC unit at the full capacity for optimal asset utilization. During shutdowns of Residue Desulfurization unit(s) which feed an FCC unit, it is desirable to reduce the conversion in the FCC feed hydrocracker. In this way, the feed to FCC unit is maximized. Jet and Diesel products that conform to specifications may be produced during low conversion HCR operation. Furthermore, undesirable over-saturation of the unconverted oil (UCO) from the HCR unit feeding the FCC unit can be avoided. Excess hydrogen consumption can also be avoided. Normally, further aromatic saturation of the middle distillate products from a low conversion HCR is achieved in a separate, post treatment, unit.

IPC 8 full level
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Citation (search report)
See references of WO 2009085696A2

Cited by
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