

Title (en)
MULTI-STAGE HYDROCRACKER WITH KEROSENE RECYCLE

Title (de)
MEHRSTUFIGER HYDROCRACKER MIT KEROSIN-REZYKLIERUNG

Title (fr)
HYDROCRAQUEUR A ETAGES MULTIPLES AVEC RECYCLAGE DE KEROSENE

Publication
EP 1511824 A4 20080709 (EN)

Application
EP 03726599 A 20030502

Priority

- US 0313816 W 20030502
- US 16277402 A 20020604

Abstract (en)
[origin: US2003221990A1] This invention relates to a multi-stage process for hydroprocessing gas oils. Preferably, each stage possesses at least one hydrocracking zone. The second stage and any subsequent stages possess an environment having a low heteroatom content. Light products, such as naphtha, kerosene and diesel, may be recycled from fractionation (along with light products from other sources) to the second stage (or a subsequent stage) in order to produce a larger yield of lighter products, such as gas and naphtha. Subsequent zones are maintained at a lower pressure than that of the first zone, thereby reducing operating expenses.

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C10G 65/10 (2013.01 - EP US); **C10G 65/12** (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 03104358A1

Citation (examination)
US 4921595 A 19900501 - GRUIA ADRIAN J [US]

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US 2005103682 A1 20050519; US 2008283444 A1 20081120; WO 03104358 A1 20031218; ZA 200409344 B 20060222

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