

Title (en)  
Residual oil fluid catalytic cracking process

Title (de)  
Fluidkatalytisches Crackverfahren von Rückstandsöl

Title (fr)  
Procédé de craquage catalytique fluidisé d'huile résiduelle

Publication  
**EP 1050572 A3 20010606 (EN)**

Application  
**EP 00610042 A 20000426**

Priority  
US 30532299 A 19990505

Abstract (en)  
[origin: EP1050572A2] A process for converting higher molecular weight hydrocarbons to lower molecular weight hydrocarbons, which process includes the steps of (a) introducing a hydrocarbon feedstock selected from the group consisting of gas oils, residual oils and combinations thereof into a first cracking reactor to contact therein a fluidized cracking catalyst under cracking conditions effective to convert the feedstocks into lower molecular weight products, (b) withdrawing from the first reactor a product stream containing a light fraction composed of a distillate and lighter hydrocarbons and a heavy fraction composed of hydrocarbons boiling above the boiling point of the distillate hydrocarbons and containing aromatic hydrocarbons; (c) separating the lighter product fraction and the heavy product fraction, (d) introducing at least a portion of the resulting separated heavy product fraction into a hydrotreating reactor to contact therein a hydrotreating catalyst under conditions effective to saturate or partially saturate the aromatic hydrocarbons in the heavy fraction so as to produce a hydrotreated product, and (e) introducing at least a portion of the hydrotreated product into a cracking reactor to contact therein a fluidized cracking catalyst under cracking conditions effective to convert the hydrotreated product into lower molecular weight products.

IPC 1-7  
**C10G 69/04**

IPC 8 full level  
**C10G 11/18** (2006.01); **C10G 7/00** (2006.01); **C10G 45/46** (2006.01); **C10G 67/02** (2006.01); **C10G 69/04** (2006.01)

CPC (source: EP)  
**C10G 69/04** (2013.01)

Citation (search report)

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