

Title (en)

HYDROCRACKING OF ASPHALTENE-RICH BITUMEN RESIDUUMS

Publication

EP 0396384 A3 19901212 (EN)

Application

EP 90304719 A 19900501

Priority

- CA 598440 A 19890502
- US 34952789 A 19890509

Abstract (en)

[origin: EP0396384A2] A process is provided for selectively converting the asphaltene-rich fraction of a hydrocarbon residuum to a refinery treatable product. The bitumen residuum is concentrated to provide an asphaltene-rich feedstock. The feedstock is admixed with a thermally decomposable catalyst precursor and preheated to a temperature of between about 200<o>C - 300<o>C under ambient conditions to convert said precursor to an active colloidal catalyst. The mixture is reacted with hydrogen under hydrocracking conditions at a temperature of between 420<o>C-490<o>C to thereby selectively hydrocrack the asphaltene fraction.

IPC 1-7

C10G 47/00

IPC 8 full level

C10G 47/26 (2006.01)

CPC (source: EP)

C10G 47/26 (2013.01)

Citation (search report)

- [X] US 3161585 A 19641215 - GLEIM WILLIAM K T, et al
- [A] GB 2150150 A 19850626 - ELF FRANCE
- [A] US 4192735 A 19800311 - ALDRIDGE CLYDE L [US], et al
- [A] US 3694352 A 19720926 - GLEIM WILLIAM T

Cited by

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Designated contracting state (EPC)

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