

Title (en)
HYDROCARBON CRACKING PROCESS

Publication
EP 0009236 B1 19820217 (DE)

Application
EP 79103509 A 19790919

Priority
DE 2840987 A 19780921

Abstract (en)
[origin: US4309271A] Hydrocarbons are subjected to hydrogenation, pressure reduction and separation into liquid and gaseous fractions. The gaseous fractions are purified and desulfurized. Hydrogen-rich components of the gaseous fraction are returned to the hydrogenation stage. Hydrocarbon-rich components of the gaseous fraction and components of the liquid fraction are cracked and fractionated. Residue is partially oxidized with oxygen and steam. Gas produced by the partial oxidation is desulfurized and separated, and hydrogen is returned to the hydrogenation stage. A polymer free fraction of the residue is returned to the feed stock and to the hydrogenation stage, a heavy residue component of the initial liquid fraction is partially oxidized with the residue.

IPC 1-7
C10G 69/06

IPC 8 full level
C10G 69/06 (2006.01)

CPC (source: EP US)
C10G 69/06 (2013.01 - EP US); **C10G 2400/20** (2013.01 - EP US)

Citation (examination)

- DE 2805179 A1 19780817 - INST FRANCAIS DU PETROLE
- DE 1667628 A1 19720330 - METALLGESELLSCHAFT AG
- DE 2012529 B2 19730705

Cited by
DE4328188A1

Designated contracting state (EPC)
AT BE DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0009236 A1 19800402; EP 0009236 B1 19820217; AT E702 T1 19820315; DE 2840987 A1 19800403; DE 2962149 D1 19820325; JP S5543184 A 19800326; US 4309271 A 19820105

DOCDB simple family (application)
EP 79103509 A 19790919; AT 79103509 T 19790919; DE 2840987 A 19780921; DE 2962149 T 19790919; JP 11626079 A 19790912; US 7782379 A 19790921