

Title (en)

FIXED-BED/MOVING-BED TWO STAGE CATALYTIC REFORMING.

Title (de)

FESTBETT/FLIESSBETT-ZWEISTUFIGE, KATALYTISCHE REFORMEN.

Title (fr)

REFORMAGE CATALYTIQUE A DEUX ETAPES LIT FIXE/LIT MOBILE.

Publication

EP 0616633 A4 19950104 (EN)

Application

EP 93900921 A 19921208

Priority

- US 9210538 W 19921208
- US 80533491 A 19911209
- US 80536091 A 19911209

Abstract (en)

[origin: WO9312203A1] A two stage process for catalytically reforming a gasoline boiling range hydrocarbonaceous feedstock. The reforming is conducted in two stages wherein the first stage (R1 and R2) is operated in a fixed-bed mode, and the second stage (R3 and R4) is operated in a moving-bed continual catalyst regeneration mode. A gaseous stream comprised of hydrogen and predominantly C4- hydrocarbon gases are separated (S1) between stages. A portion of the hydrogen-rich gaseous stream is recycled (line 22) and the remaining portion along with the C5+ stream (line 24) are sent to second stage reforming (R3, R4).

IPC 1-7

C10G 35/085; C10G 63/06

IPC 8 full level

C10G 59/02 (2006.01)

CPC (source: EP)

C10G 59/02 (2013.01)

Citation (search report)

- [Y] FR 2600668 A1 19871231 - INST FRANCAIS DU PETROLE [FR]
- [A] GB 1469681 A 19770406 - UOP INC
- See references of WO 9312203A1

Cited by

CN1039818C

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

WO 9312203 A1 19930624; DE 69230621 D1 20000302; DE 69230621 T2 20000810; EP 0616633 A1 19940928; EP 0616633 A4 19950104; EP 0616633 B1 20000126

DOCDB simple family (application)

US 9210538 W 19921208; DE 69230621 T 19921208; EP 93900921 A 19921208