

Title (en)
NAPHTHA AROMATIZATION PROCESS

Title (de)
NAPHTA-AROMATIZATIONSVERFAHREN

Title (fr)
PROCEDE D'AROMATISATION DU NAPHTE

Publication
EP 0964903 B1 20031029 (EN)

Application
EP 98908532 A 19980211

Priority

- US 9802747 W 19980211
- US 3540597 P 19970218
- US 84471197 A 19970418

Abstract (en)
[origin: WO9836037A1] A process for reforming naphtha-containing hydrocarbon feedstreams is disclosed wherein a naphtha stream containing at least about 25 wt.% of C5 to C9 aliphatic and cycloaliphatic hydrocarbons is contacted with a modified reforming catalyst, e.g. ZSM-5 containing a dehydrogenation metal, selected from the group of gallium, zinc, indium, iron, tin and boron, which has been modified by contact with group IIA alkaline earth metal, e.g., barium, or with an organosilicon compound in an amount sufficient to neutralize at least a portion of the surface acidic sites present on the catalyst. The resulting reformat contains a reduced content of C1 to C4 gas and a C8 aromatic fraction having an enhanced content of para-xylene.

IPC 1-7
C10G 35/095

IPC 8 full level
C10G 35/095 (2006.01)

CPC (source: EP KR)
C10G 35/06 (2013.01 - KR); **C10G 35/095** (2013.01 - EP)

Citation (examination)
US 4652360 A 19870324 - DESSAU RALPH M [US]

Cited by
EP3126047A4

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
WO 9836037 A1 19980820; AU 6654298 A 19980908; CA 2281563 A1 19980820; CN 1251123 A 20000419; DE 69819305 D1 20031204; EP 0964903 A1 19991222; EP 0964903 B1 20031029; KR 20000071153 A 20001125

DOCDB simple family (application)
US 9802747 W 19980211; AU 6654298 A 19980211; CA 2281563 A 19980211; CN 98803606 A 19980211; DE 69819305 T 19980211; EP 98908532 A 19980211; KR 19997007443 A 19990817