

Title (en)

CATALYTIC CRACKING FOR OLEFIN PRODUCTION

Title (de)

KATALYTISCHES CRACKEN ZUR HERSTELLUNG VON OLEFINEN

Title (fr)

CRAQUAGE CATALYTIQUE DESTINE A LA PRODUCTION D'OLEFINES

Publication

EP 1049754 A4 20020417 (EN)

Application

EP 99960387 A 19991117

Priority

- US 9927137 W 19991117
- US 19862498 A 19981124
- US 19862598 A 19981124

Abstract (en)

[origin: WO0031215A1] Heavy hydrocarbon feeds are catalytically cracked to lighter products by contacting with a catalyst containing large pore molecular sieve component and ZSM-5 and/or ZSM-11, the catalyst having a substantially inert matrix material such as silica and/or clay and having active matrix material of less than 10 wt.% based on total catalyst composition. The products include light olefins ethylene and propylene, and the light olefin yield is increased when the matrix material is substantially inert.

IPC 1-7

C10G 11/02; **C10G 11/05**; **B01J 29/40**; **B01J 37/00**

IPC 8 full level

B01J 29/08 (2006.01); **B01J 29/40** (2006.01); **C10G 11/05** (2006.01)

CPC (source: EP)

C10G 11/05 (2013.01); **C10G 2400/20** (2013.01)

Citation (search report)

- [X] EP 0305720 B1 19940413 - RES INST PETROLEUM PROCESSING [CN]
- [X] EP 0541191 B1 19970226 - GRACE W R & CO [US]
- [X] EP 0350549 B1 19930908 - MOBIL OIL CORP [US]
- [X] US 5472594 A 19951205 - TSANG CHIH-HAO M [US], et al
- See references of WO 0031215A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0031215 A1 20000602; AU 1727800 A 20000613; CA 2319263 A1 20000602; EP 1049754 A1 20001108; EP 1049754 A4 20020417; JP 2002530514 A 20020917

DOCDB simple family (application)

US 9927137 W 19991117; AU 1727800 A 19991117; CA 2319263 A 19991117; EP 99960387 A 19991117; JP 2000584031 A 19991117