

Title (en)

OXYGENATE CONVERSIONS USING SMALL PORE NON-ZEOLITIC MOLECULAR SIEVE CATALYSTS

Title (de)

VERFAHREN ZUR UMSETZUNG VON SAUERSTOFFVERBINDUNGEN IN DEM NICHT-ZEOLITISCHE MOLEKULARSIEBEN MIT KLEINEN POREN ALS KATALYSATOR ANGEWENDT WERDEN

Title (fr)

CONVERSIONS DE COMPOSES OXYGENES AU MOYEN DE CATALYSEURS A TAMIS MOLECULAIRES NON ZEOLITIQUES A MAILLES FINES

Publication

EP 0960089 A1 19991201 (EN)

Application

EP 97953529 A 19971231

Priority

- US 9724125 W 19971231
- US 3405496 P 19961231

Abstract (en)

[origin: WO9829370A1] The present invention provides a method for converting an organic starting material to olefins comprising contacting a feed comprising said organic starting material with a small pore non-zeolitic catalyst at a temperature, a pressure, and a weight hourly space velocity effective to produce olefins; wherein said molecular sieve catalyst comprises at least one metal selected from the group consisting of a lanthanide metal, an actinide metal, scandium, yttrium, Group IVB metals, Group VB metals, and combinations thereof.

IPC 1-7

C07C 11/02; **C07C 1/26**; **C07C 1/32**; **C07C 1/20**; **C07C 1/36**; **C07C 1/207**

IPC 8 full level

B01J 29/85 (2006.01); **C07C 1/20** (2006.01); **C07C 1/207** (2006.01); **C07C 1/26** (2006.01); **C07C 1/32** (2006.01); **C07C 1/36** (2006.01); **B01J 21/06** (2006.01); **B01J 23/10** (2006.01)

CPC (source: EP)

B01J 29/85 (2013.01); **C07C 1/20** (2013.01); **C07C 1/207** (2013.01); **C07C 1/26** (2013.01); **C07C 1/322** (2013.01); **C07C 1/323** (2013.01); **C07C 1/36** (2013.01); **B01J 21/063** (2013.01); **B01J 23/10** (2013.01); **B01J 2229/12** (2013.01); **B01J 2229/186** (2013.01); **B01J 2229/42** (2013.01); **C07C 2529/85** (2013.01)

Citation (search report)

See references of WO 9829370A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9829370 A1 19980709; AU 5725898 A 19980731; EP 0960089 A1 19991201; NO 993162 D0 19990625; NO 993162 L 19990625; TW 412510 B 20001121; ZA 9711646 B 19981207

DOCDB simple family (application)

US 9724125 W 19971231; AU 5725898 A 19971231; EP 97953529 A 19971231; NO 993162 A 19990625; TW 86119095 A 19971217; ZA 9711646 A 19971229