

Title (en)  
ZEOLITE BOUND CATALYST CONTAINING AT LEAST THREE DIFFERENT ZEOLITES; USE FOR HYDROCARBON CONVERSION

Title (de)  
DURCH ZEOLITH GEBUNDENER KATALYSATOR ENTHALTEND MINDESTENS DREI VERSCHIEDENE ZEOLITHEN; VERWENDUNG BEI DER UMWANDLUNG VON KOHLENWASSERSTOFFEN

Title (fr)  
CATALYSEUR A LIANTS DE ZEOLITE COMPORTANT AU MOINS TROIS DIFFERENTS TYPES DE ZEOLITES, ET SERVANT A LA CONVERSION D'HYDROCARBURES

Publication  
**EP 1206317 A1 20020522 (EN)**

Application  
**EP 00930411 A 20000505**

Priority  
• US 0012341 W 20000505  
• US 13271099 P 19990505

Abstract (en)  
[origin: WO0066263A1] There is provided a zeolite bound zeolite catalyst which does not contain significant amount of non-zeolitic binder and can be tailored to optimize its performance and a process for converting hydrocarbons utilizing the zeolite bound zeolite catalyst. The zeolite bound zeolite catalyst comprises core crystals containing first crystals of a first zeolite and optionally second crystals of a second zeolite having a composition, structure type, or both that is different from said first zeolite and binder crystals containing third crystals of a third zeolite and optionally fourth crystals of a fourth zeolite having a composition, structure type, or both that is different from said third zeolite. If the core crystals do not contain the second crystals of the second zeolite, then the binder crystals must contain the fourth crystals of the fourth zeolite. The zeolite bound zeolite finds application in hydrocarbon conversion processes, e.g., catalytic cracking, alkylation, disproportional of toluene, isomerization, and transalkylation reactions.

IPC 1-7  
**B01J 29/06**

IPC 8 full level  
**B01J 29/70** (2006.01); **B01J 29/80** (2006.01); **B01J 29/87** (2006.01); **B01J 29/89** (2006.01); **B01J 37/00** (2006.01); **C01B 39/02** (2006.01); **C07B 61/00** (2006.01); **C07C 2/02** (2006.01); **C07C 4/02** (2006.01); **C07C 15/04** (2006.01); **C07C 15/08** (2006.01); **C10G 11/05** (2006.01); **C10G 29/20** (2006.01); **C10G 35/095** (2006.01); **C10G 45/64** (2006.01); **C10G 47/16** (2006.01); **C10G 73/02** (2006.01); **B01J 29/40** (2006.01)

CPC (source: EP KR)  
**B01J 29/40** (2013.01 - KR); **B01J 29/7038** (2013.01 - EP); **B01J 29/7042** (2013.01 - KR); **B01J 29/80** (2013.01 - EP KR); **B01J 29/87** (2013.01 - EP); **B01J 29/89** (2013.01 - EP); **B01J 37/0009** (2013.01 - EP); **C10G 11/05** (2013.01 - EP); **C10G 29/205** (2013.01 - EP); **C10G 45/64** (2013.01 - EP); **B01J 29/40** (2013.01 - EP); **B01J 2229/42** (2013.01 - EP); **B01J 2229/62** (2013.01 - EP)

Citation (search report)  
See references of WO 0066263A1

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 0066263 A1 20001109**; AU 4823600 A 20001117; BR 0010606 A 20020226; CA 2373051 A1 20001109; CN 1379698 A 20021113; EP 1206317 A1 20020522; JP 2002542929 A 20021217; KR 20020010143 A 20020202; MX PA01011229 A 20021004; ZA 200109075 B 20040331

DOCDB simple family (application)  
**US 0012341 W 20000505**; AU 4823600 A 20000505; BR 0010606 A 20000505; CA 2373051 A 20000505; CN 00808553 A 20000505; EP 00930411 A 20000505; JP 2000615140 A 20000505; KR 20017014115 A 20011105; MX PA01011229 A 20000505; ZA 200109075 A 20011102