

Title (en)

CATALYST COMPOSITIONS COMPRISING MOLECULAR SIEVES, THEIR PREPARATION AND USE IN CONVERSION PROCESSES

Title (de)

MOLEKULARSIEB ENTHALTENDE KATALYSATORZUSAMMENSETZUNGEN, IHRE HERSTELLUNG UND ANWENDUNG IN UMWANDLUNGSPROZESSEN

Title (fr)

COMPOSITIONS DE TAMIS MOLECULAIRES, CATALYSEUR ASSOCIE ET FABRICATION ET UTILISATION DANS DES PROCEDES DE CONVERSION

Publication

EP 1478461 A2 20041124 (EN)

Application

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Abstract (en)

[origin: WO03074177A2] The invention relates to a catalyst composition, a method of making the same and its use in the conversion of a feedstock, preferably an oxygenated feedstock, into one or more olefin(s), preferably ethylene and/or propylene. The catalyst composition comprises a molecular sieve and at least one oxide of a metal selected from Group 3 of the Periodic Table of Elements, the Lanthanide series of elements and the Actinide series of elements.

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IPC 8 full level

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BR 0308011 A 20050104; CA 2477428 A1 20030912; CA 2477428 C 20110322; CA 2477432 A1 20030912; CN 100335172 C 20070905;
CN 1298427 C 20070207; CN 1327964 C 20070725; CN 1638865 A 20050713; CN 1642648 A 20050720; CN 1646221 A 20050727;
EA 007871 B1 20070227; EA 007872 B1 20070227; EA 007873 B1 20070227; EA 200401061 A1 20050428; EA 200401101 A1 20050428;
EA 200401102 A1 20050428; EP 1478461 A2 20041124; EP 1478462 A2 20041124; EP 1478464 A2 20041124; JP 2005518928 A 20050630;
JP 2005518929 A 20050630; JP 2005518930 A 20050630; KR 20040089679 A 20041021; KR 20040089680 A 20041021;
KR 20040091080 A 20041027; MY 139847 A 20091130; MY 140018 A 20091130; TW 200303237 A 20030901; TW 200303238 A 20030901;
TW 200306890 A 20031201; TW I265824 B 20061111; TW I265825 B 20061111; TW I306780 B 20090301; WO 03074175 A2 20030912;
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BR 0308011 A 20030210; CA 2477428 A 20030210; CA 2477432 A 20030210; CN 03804761 A 20030210; CN 03806807 A 20030210;
CN 03808265 A 20030210; EA 200401061 A 20030210; EA 200401101 A 20030210; EA 200401102 A 20030210; EP 03709038 A 20030210;
EP 03743671 A 20030210; EP 03743673 A 20030210; JP 2003572679 A 20030210; JP 2003572680 A 20030210; JP 2003572681 A 20030210;
KR 20047013377 A 20030210; KR 20047013378 A 20030210; KR 20047013384 A 20030210; MY PI20030609 A 20030221;
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