

Title (en)

IMPROVED CATALYST SUPPORT MATERIAL

Title (de)

VERBESSERTES TRÄGERMATERIAL FÜR KATALYSATOR

Title (fr)

MATERIAU SUPPORT DE CATALYSEUR AMELIORE

Publication

EP 1073516 A1 20010207 (EN)

Application

EP 99916091 A 19990311

Priority

- NO 9900085 W 19990311
- NO 981126 A 19980313

Abstract (en)

[origin: WO9946039A1] The present invention relates to a new catalyst support material comprising a mixed oxide essentially of a divalent metal and a trivalent metal in a substantially homogeneous phase, which is a calcination product of a hydrotalcite-like phase calcinated at a temperature of about 700 - 1200 DEG C, wherein the divalent metal/trivalent metal molar ratio is equal to, or higher than 2. The invention relates also to a process of preparing said support, a catalyst of dehydrogenation comprising a 1. Transition row metal and/or Group VIII metal impregnated on said support, and a process for dehydrogenation of light alkanes using said catalyst.

IPC 1-7

B01J 21/10; **B01J 23/62**; **B01J 23/58**; **C07C 5/333**

IPC 8 full level

B01J 21/10 (2006.01); **B01J 23/00** (2006.01); **B01J 27/232** (2006.01); **C07C 5/32** (2006.01)

CPC (source: EP)

B01J 21/10 (2013.01); **B01J 23/002** (2013.01); **B01J 23/007** (2013.01); **B01J 27/232** (2013.01); **C07C 5/324** (2013.01); **C07C 5/325** (2013.01); **B01J 2523/00** (2013.01); **C07C 2521/02** (2013.01); **C07C 2521/10** (2013.01); **C07C 2523/04** (2013.01); **C07C 2523/26** (2013.01); **C07C 2523/42** (2013.01)

Citation (search report)

See references of WO 9946039A1

Cited by

US12054456B2; WO2023107797A1; WO2022256132A1

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 9946039 A1 19990916; AU 3446599 A 19990927; EP 1073516 A1 20010207; NO 307693 B1 20000515; NO 981126 D0 19980313; NO 981126 L 19990914; ZA 992037 B 19991102

DOCDB simple family (application)

NO 9900085 W 19990311; AU 3446599 A 19990311; EP 99916091 A 19990311; NO 981126 A 19980313; ZA 992037 A 19990312