

Title (en)

NOVEL SOLID OXIDATION CATALYSTS, IN PARTICULAR FOR EPOXIDATION OF PROCHIRAL COMPOUNDS

Title (de)

NEUE FESTE OXYDIERUNGSKATALYSATOREN, INSBESONDERE FÜR DIE EPOXYDIERUNG VON PROCHIRALEN VERBINDUNGEN

Title (fr)

NOUVEAUX CATALYSEURS SOLIDES D'OXYDATION, NOTAMMENT D'EPOXYDATION DE COMPOSES PROCHIRAUX

Publication

EP 1109623 A1 20010627 (FR)

Application

EP 99931357 A 19990716

Priority

- FR 9901750 W 19990716
- FR 9809328 A 19980717

Abstract (en)

[origin: FR2781169A1] Solid oxidation catalyst comprises a compound of a pentavalent or hexavalent metal M, which is grafted to the surface of a solid oxide by at least one, preferably one, covalent bond linking the metal to an O atom of the solid oxide; the grafted metal compound has at least two alkoxy groups bonded to the metal by O atoms. Solid oxidation catalyst comprises a compound of a pentavalent or hexavalent metal M, which is grafted to the surface of a solid oxide by at least one, preferably one, covalent bond linking the metal to an O atom of the solid oxide; the grafted metal compound has at least two alkoxy groups bonded to the metal by O atoms. The metal is chosen from tantalum, vanadium, niobium, chromium, molybdenum, and tungsten. Independent claims are also included for the preparation of the catalyst and the oxidation process using the catalyst.

IPC 1-7

B01J 31/12; **B01J 37/02**

IPC 8 full level

B01J 31/22 (2006.01); **B01J 37/02** (2006.01); **C07D 301/03** (2006.01)

CPC (source: EP US)

B01J 31/223 (2013.01 - EP US); **B01J 37/0203** (2013.01 - EP US); **B01J 37/0238** (2013.01 - EP US); **B01J 2231/72** (2013.01 - EP US); **B01J 2531/56** (2013.01 - EP US); **B01J 2531/57** (2013.01 - EP US); **B01J 2531/58** (2013.01 - EP US); **B01J 2531/62** (2013.01 - EP US); **B01J 2531/64** (2013.01 - EP US); **B01J 2531/66** (2013.01 - EP US)

Citation (search report)

See references of WO 0003802A1

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)

FR 2781169 A1 20000121; **FR 2781169 B1 20020524**; EP 1109623 A1 20010627; US 6642170 B1 20031104; WO 0003802 A1 20000127

DOCDB simple family (application)

FR 9809328 A 19980717; EP 99931357 A 19990716; FR 9901750 W 19990716; US 74391301 A 20010306