

Title (en)

USE OF CHIRAL DIPHOSPHINES AS OPTICALLY ACTIVE LIGANDS

Title (de)

VERWENDUNG CHIRALER PHOSPHINE ALS OPTISCH-AKTIVE LIGANDEN

Title (fr)

UTILISATION DE DIPHOSPHINES CHIRALES COMME LIGANDS OPTIQUEMENT ACTIFS

Publication

EP 1305324 A1 20030502 (FR)

Application

EP 01960868 A 20010803

Priority

- FR 0102550 W 20010803
- FR 0010269 A 20000803

Abstract (en)

[origin: WO0212253A1] The invention concerns the use of chiral diphosphines as optically active ligands for preparing diphosphino-metal complexes. The invention also concerns diphosphino-metal complexes comprising a chiral diphosphine as ligands and asymmetrical catalysis methods using said complexes. More particularly, the invention concerns the use of said diphosphino-metal complexes in asymmetrical hydrogenation or isomerization processes for the synthesis of organic products with desired chirality.

IPC 1-7

C07F 9/50; C07F 15/00; B01J 31/24; C07B 53/00

IPC 8 full level

B01J 31/24 (2006.01); C07B 53/00 (2006.01); C07B 61/00 (2006.01); C07C 29/145 (2006.01); C07C 41/26 (2006.01); C07C 43/13 (2006.01); C07C 67/303 (2006.01); C07C 67/31 (2006.01); C07C 69/34 (2006.01); C07C 69/732 (2006.01); C07C 231/14 (2006.01); C07C 233/05 (2006.01); C07F 9/50 (2006.01); C07F 15/00 (2006.01)

CPC (source: EP US)

B01J 31/2409 (2013.01 - EP US); B01J 31/2414 (2013.01 - EP US); C07B 53/00 (2013.01 - EP US); C07C 67/31 (2013.01 - EP US); C07F 9/5027 (2013.01 - EP US); C07F 15/0053 (2013.01 - EP US); B01J 2231/52 (2013.01 - EP US); B01J 2231/643 (2013.01 - EP US); B01J 2231/645 (2013.01 - EP US); B01J 2531/0208 (2013.01 - EP US); B01J 2531/0266 (2013.01 - EP US); B01J 2531/26 (2013.01 - EP US); B01J 2531/31 (2013.01 - EP US); B01J 2531/42 (2013.01 - EP US); B01J 2531/46 (2013.01 - EP US); B01J 2531/821 (2013.01 - EP US); B01J 2531/822 (2013.01 - EP US); B01J 2531/827 (2013.01 - EP US); C07B 2200/07 (2013.01 - EP US)

Citation (search report)

See references of WO 0212253A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0212253 A1 20020214; AU 8226401 A 20020218; BR 0112970 A 20030624; CA 2417836 A1 20020214; CN 1468248 A 20040114; EP 1305324 A1 20030502; FR 2812638 A1 20020208; FR 2812638 B1 20030425; IL 154263 A0 20030917; JP 2004505985 A 20040226; US 2003195369 A1 20031016; US 6794525 B2 20040921

DOCDB simple family (application)

FR 0102550 W 20010803; AU 8226401 A 20010803; BR 0112970 A 20010803; CA 2417836 A 20010803; CN 01816738 A 20010803; EP 01960868 A 20010803; FR 0010269 A 20000803; IL 15426301 A 20010803; JP 2002518228 A 20010803; US 35623303 A 20030131