

Title (en)
IMIDAZOLE GROUP-CONTAINING PHOSPHORUS COMPOUNDS

Title (de)
IMIDAZOLGRUPPENHALTIGE PHOSPHORVERBINDUNGEN

Title (fr)
COMPOSÉS DE PHOSPHORE CONTENANT DES GROUPES IMIDAZOLE

Publication
EP 2254895 A1 20101201 (DE)

Application
EP 09709901 A 20090213

Priority

- EP 2009051677 W 20090213
- EP 08151496 A 20080215
- EP 09709901 A 20090213

Abstract (en)
[origin: WO2009101162A1] The invention relates to imidazole group-containing phosphorus compounds according to general formula (I) or (II), wherein W is phosphorus (P) or phosphite (P=O), to optically active ligands produced while using the same, to transition metal complexes containing said ligands, and to catalysts comprising said transition metal complexes. The invention further relates to the respective methods for producing the phosphorus compounds, the optically active ligands, the transition metal complexes and the catalysts, and to the use of the catalysts for organic transformation reactions.

IPC 8 full level
C07F 9/6506 (2006.01); **C07B 37/02** (2006.01); **C07B 53/00** (2006.01); **C07F 9/6568** (2006.01); **C07F 9/6571** (2006.01)

CPC (source: EP US)
C07B 53/00 (2013.01 - EP US); **C07F 9/6506** (2013.01 - EP US); **C07F 9/65683** (2013.01 - EP US); **C07F 9/65685** (2013.01 - EP US); **C07F 9/657181** (2013.01 - EP US)

Citation (search report)
See references of WO 2009101162A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009101162 A1 20090820; CA 2715225 A1 20090820; CN 102007136 A 20110406; EP 2254895 A1 20101201; JP 2011514887 A 20110512; US 2010317866 A1 20101216

DOCDB simple family (application)
EP 2009051677 W 20090213; CA 2715225 A 20090213; CN 200980113188 A 20090213; EP 09709901 A 20090213; JP 2010546345 A 20090213; US 86754509 A 20090213