

Title (en)
MULTIPLY SUBSTITUTED FERROCENES

Title (de)
MEHRFACH SUBSTITUIERTE FERROCENE

Title (fr)
FERROCENES POLYSUBSTITUES

Publication
EP 1874786 A2 20080109 (DE)

Application
EP 06754872 A 20060427

Priority
• EP 2006061861 W 20060427
• CH 7482005 A 20050428

Abstract (en)
[origin: WO2006114438A2] Disclosed are compounds of formulas (I) and (II) in the form of enantiomer-pure diastereomers o diastereomer mixtures. In said formulas (I) and (II), R'¹ represents C¹-C⁴ alkyl while n represents 0 or an integer from 1 to 5; R¹ represents a hydrogen atom, a hydrocarbon radical with 1 to 20 C atoms, secondary phosphino, a mercaptan radical with 1 to 20 C atoms in the hydrocarbon radical, or a silyl radical with 3 C¹-C¹² hydrocarbon radicals; R² is the monovalent radical of an electrophilic organic compound; X¹ represents F, Cl, Br, or I; and Y represents vinyl, methyl, ethyl, -CH²-N(C¹-C⁴-alkyl)², -CH²-OR wherein R is a hydrocarbon radical, or a C-bonded, S-bonded, or P-bonded chiral group that directs metals of metallization reagents into the ortho position X¹. The inventive compounds are coordinating ligands for metal complexes of transition metals as homogeneous catalysts for coupling reactions and intermediate products for producing bidentate ligands.

IPC 8 full level
C07F 17/02 (2006.01)

CPC (source: EP US)
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Citation (search report)
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