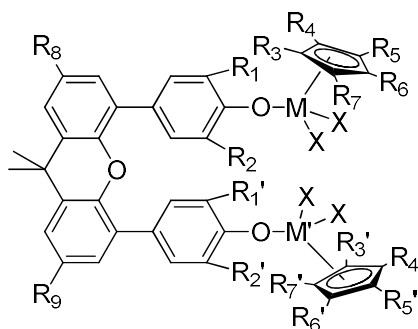


Abstract

BIPHENOL METAL COMPLEX, PREPARATION METHOD THEREFOR AND USE THEREOF

Disclosed is a biphenol metal complex. The structure thereof is as represented
5 by formula I, wherein R_1 and R_1' are each independently selected from hydrogen and a substituted or unsubstituted C_1 - C_{20} hydrocarbyl; R_3 - R_7 , R_3' - R_7' are each independently selected from hydrogen and a substituted or unsubstituted C_1 - C_{20} hydrocarbyl, any two adjacent groups of R_3 - R_7 are optionally linked to form a ring, and any two adjacent groups of R_3' - R_7' are also optionally linked to form a ring; M and M' are each
10 independently selected from the Group 4 metals; each X is independently selected from the group consisting of a hydrocarbyl having 1 to 20 carbon atoms, hydride, amido, alkoxide, alkyl sulfide, alkyl phosphide, halide, diene, amine, phosphine, ether, and combinations thereof; m and n are independently an integer of from 1 to 4; and L is a divalent linking group.



Formula I.