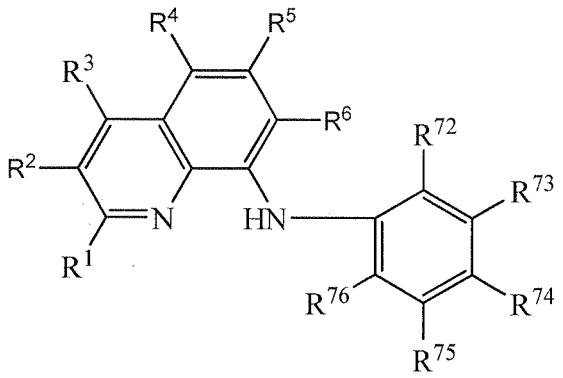
What is claimed is:

1. A Group 1 or 2 metal salt comprising a ligand of formula (Qp):



(Qp)

~~or a Group 1 or 2 metal salt thereof,~~ wherein the Group 1 or 2 metal of the Group 1 or 2 metal salt is a cation of any one of the metals of Groups 1 and 2 of the Periodic Table of the Elements;

Each of R^1 to R^6 independently is a hydrogen atom, $(C_1\text{-}C_{40})$hydrocarbyl, $(C_1\text{-}C_{40})$heterohydrocarbyl, $(C_1\text{-}C_{40})$hydrocarbyl-O-, or halogen atom;

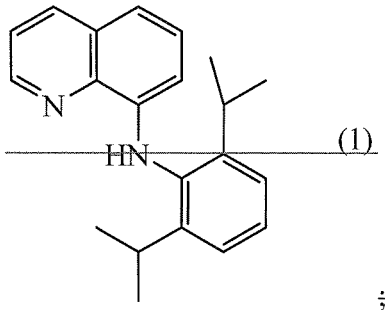
At least one of R^{72} and R^{76} independently is a $(C_1\text{-}C_{40})$alkyl and each of the remainder of R^{72} to R^{76} independently is a hydrogen atom or R^S, wherein R^S is as defined previously;

Each of the aforementioned hydrocarbyl (e.g., $(C_1\text{-}C_{40})$hydrocarbyl) and heterohydrocarbyl independently is unsubstituted or substituted with one or more substituents R^S; and

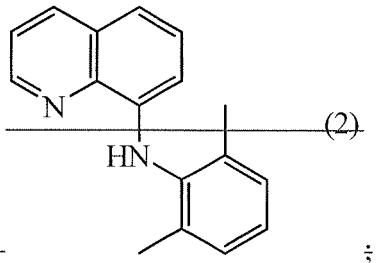
Each R^S independently is a halogen atom, polyfluoro, perfluoro, unsubstituted $(C_1\text{-}C_{18})$alkyl, F_3C-, FCH_2O-, F_2HCO-, F_3CO-, R_3Si-, RO-, RS-, RS(O)-, $RS(O)_2$-, R_2P-, R_2N-, R_2C=N-, NC-, RC(O)O-, ROC(O)-,

RC(O)N(R)-, or $R_2NC(O)$-, wherein each R independently is an unsubstituted $(C_1\text{-}C_{18})$alkyl.

~~2. The ligand as in claim 1, wherein the ligand of formula (Qp) is any one of ligands (1) to (4):~~

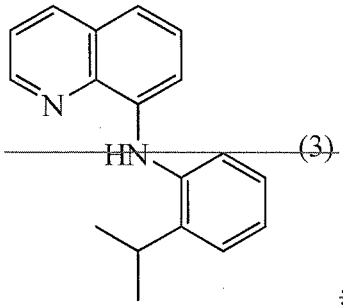


~~(1)~~

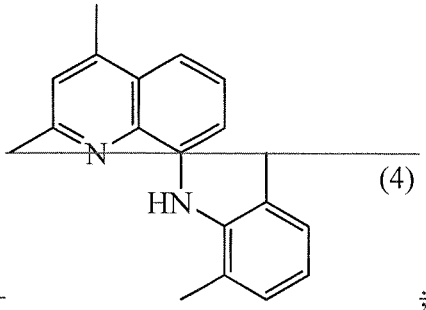


~~(2)~~

~~;~~ ~~;~~



~~(3)~~



(4)

~~; and~~ ~~; or a Group 1 or 2 metal salt thereof, wherein the Group 1 or 2 metal of the Group 1 or 2 metal salt is a cation of any one of the metals of Groups 1 and 2 of the Periodic Table of the Elements.~~