

DIIMINE METAL COMPLEXES, METHODS OF SYNTHESIS, AND METHODS OF USING IN OLIGOMERIZATION AND POLYMERIZATION

ABSTRACT

Novel α -diimine metal complexes, particularly iron complexes are disclosed. The α -diimine metal complexes are produced by forming one of the α -diimine metal complex imine bonds in the presence of a metal salt or an α -acylimine metal complex. α -diimine metal complexes having two different α -diimine nitrogen groups may be produced. The α -diimine metal complexes are useful for polymerizing or oligomerizing olefins.

Figure 1.