

ORGANOMETALLIC COMPOUNDS

ABSTRACT

This invention relates to organometallic compounds represented by the formula $H_aM(NR_1R_2)_x(NR_3H)_y(NH_2)_z$ wherein M is a metal or metalloid, each of R_1 , R_2 and R_3 is the same or different and is independently a hydrocarbon group or a heteroatom-containing group, a is a value from 0 to 3, x is a value from 0 to 3, y is a value from 0 to 4, z is a value from 0 to 4, and $a + x + y + z$ is equal to the oxidation state of M, provided that at least one of y and z is a value of at least 1, a process for producing the organometallic compounds, and a method for producing a film or coating from organometallic precursor compounds.

NO FIGURE