A Film Material And A Process Of Preparing The Same

Abstract

There is provided a film material comprising a combination of at least two metal compounds selected from the group consisting of a metal amide, a metal oxide, a metal halide and a metal alloy, wherein said metal is selected from Group I of the Periodic Table of Elements. There is also provided a process of preparing a film material comprising the step of contacting a solid phase material and a vapor phase material, wherein the solid phase material is a metal selected from Group 1 of the Periodic Table, and wherein the vapor phase material comprises a precursor selected from the group consisting of an amide precursor, an oxide precursor, a metal halide precursor and a metalloid halide precursor.

[Fig. 9]