

Abstract

Title of the Invention: Water-Reactive Al Composite Material, Water-Reactive Al Film, Process for the Production of the Al Film, and Constituent Member for Film-Forming Chamber

Provided herein are a water-reactive Al composite material comprising an Al raw material selected from the group consisting of 2NAl to 5NAl each containing Cu as an impurity of Al in an amount of not higher than 40 ppm, and at least one metal selected from the group consisting of In and Bi, in amounts ranging from 2 to 5% by mass and 0.7 to 1.4% by mass, respectively, on the basis of the mass of Al; a water-reactive Al film produced using this composite material; a method for the production of this Al film; and a constituent member for a film-forming chamber, which is provided, on the surface, this water-reactive Al film.

Fig. 1