Coating Fluid for Boron Diffusion

ABSTRACT

A coating fluid comprising a boron compound, an organic binder, a silicon compound, an alumina precursor, and water and/or an organic solvent is used to diffuse boron into a silicon substrate to form a p-type diffusion layer. The coating fluid is spin coated onto the substrate to form a uniform coating having a sufficient amount of impurity whereupon a p-type diffusion layer having in-plane uniformity is formed.

(No Suitable Figures)