

Abstract of the Invention

Using a Lewis Base to Control Molecular Weight of Novolak Resins

5 The present invention provides methods for producing water insoluble, aqueous alkali soluble novolak resins having a precise and consistent molecular weight, by adjusting the concentration of Lewis base. A method is also provided for producing photoresist composition from such novolak resins and for producing semiconductor devices using such photoresist compositions.

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