

## ABSTRACT

A radiation sensitive resin composition comprising a colorant, an alkali-soluble resin, a polyfunctional monomer  
5 and a radiation sensitive radical generator. The alkali-soluble resin is manufactured through the living radical polymerization of a polymerizable unsaturated compound and has a weight average molecular weight in terms of polystyrene (Mw) measured by gel permeation  
10 chromatography of 1,000 to 45,000. A color filter which is free from burning can be formed from this radiation sensitive resin composition at a high yield.