

Abstract of the Disclosure:

A radiation sensitive resin composition which fully wet spreads only into a hole formed by removing a color filter defect when it is to be filled into the hole and can repair the defect with a small difference in chromaticity between the repaired portion and a normal portion, and a method of repairing a color filter defect.

The radiation sensitive resin composition comprises (A) a pigment, (B) an alkali-soluble resin, (C) a polyfunctional monomer or a combination of a polyfunctional monomer and a monofunctional monomer, (D) a photoinitiator and (E) a solvent.

The amount of the component (C) is 350 to 1,000 parts by weight based on 100 parts by weight of the component (B), the average vapor pressure at 20°C of the component (E) is lower than 3.0 mmHg, and the composition has a solid content of 25 to 50 wt%.

The method of repairing a color filter defect comprises the steps of removing a color filter defect, filling the above composition into the formed hole and removing the solvent, exposing the filled portion to radiation, and heating the filled portion after exposure.