

RADIATION SENSITIVE COMPOSITION FOR FORMING A COLORED
LAYER, COLOR FILTER AND
COLOR LIQUID CRYSTAL DISPLAY DEVICE

Abstract of the disclosure:

A radiation sensitive composition for forming a colored layer comprises (A) a colorant, (B) an alkali-soluble resin, (C) a polyfunctional monomer and (D) a photopolymerization initiator, said (B) alkali-soluble resin being formed of a copolymer formed from (b1) at least one member selected from the group consisting of an unsaturated carboxylic acid, an unsaturated carboxylic anhydride and an unsaturated phenol compound, (b2) an N-substituted maleimide, (b3) an unsaturated compound having a tetrahydrofuran structure and (b4) an unsaturated compound different from said (b1), (b2) and (b3), has high sensitivity and is excellent in a pattern form and a film remaining ratio even under a low exposure dose, and the composition can form pixels and a black matrix which are excellent in solvent resistance against various solvents and adhesion to a substrate.