

PHOTOSENSITIVE BLACK RESIN COMPOSITION AND RESIN BLACK
MATRIX SUBSTRATE

ABSTRACT

The present invention aims to provide a black resin composition which, when a resin black matrix is formed on a glass substrate, has a good adhesion to the substrate during its development and a good compatibility with a developer, and is capable of high-definition patterning; as well as to provide a resin black matrix substrate using such a photosensitive black resin composition, and a light-shielding film for a color filter and a touch panel. The present invention provides a photosensitive black resin composition comprising at least a light-shielding material, an alkali-soluble resin, a photopolymerization initiator and a solvent, wherein the photosensitive black resin composition comprises at least an oxetane compound having a specified structure as an additive, and wherein the amount of the oxetane compound contained in the composition is 1.5 to 10.0% by weight relative to the total amount of the light-shielding material and the alkali-soluble resin.