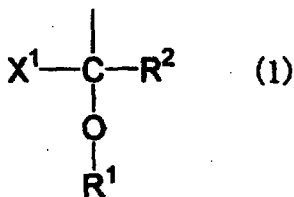


RADIATION-SENSITIVE RESIN COMPOSITION

ABSTRACT OF THE DISCLOSURE

A radiation-sensitive resin composition comprising an acid-labile group-containing resin and a photoacid generator is disclosed. The resin has a structure of the formula (1),



wherein R¹ represents a hydrogen atom, a monovalent acid-labile group, an alkyl group having 1-6 carbon atoms which does not have an acid-labile group, or an alkylcarbonyl group having 2-7 carbon atoms which does not have an acid-labile group, X¹ represents a linear or branched fluorinated alkyl group having 1-4 carbon atoms, and R² represents a hydrogen atom, a linear or branched alkyl group having 1-10 carbon atoms, or a linear or branched fluorinated alkyl group having 1-10 carbon atoms. The resin composition exhibits high transmittance of radiation, high sensitivity, resolution, and pattern shape, and is useful as a chemically amplified resist in producing semiconductors at a high yield.