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ABSTRACT

A carboxyl group-containing photosensitive resin is obtained by reacting an unsaturated group-containing monocarboxylic acid (d) with a reaction product (c) of a phenolic novolak resin (a) and an alkylene oxide (b) and further reacting a polybasic acid anhydride (f) with the resultant reaction product (e). A photocurable and thermosetting composition comprising (A) this carboxyl group-containing photosensitive resin, (C) a photopolymerization initiator, and (D) an epoxy resin, or further comprising (B) a photosensitive (meth)acrylate compound, preferably further comprising (E) an organic solvent and/or (F) a curing catalyst is capable of forming an image by irradiation of ultraviolet light and development with a dilute aqueous alkali solution and also capable of forming a cured film by means of final curing by heating, or by irradiation with active energy rays and subsequent heating, or by heating and subsequent irradiation with active energy rays. It is useful as an ultraviolet-curable type printing ink, various resists and interlaminar insulating materials to be used in the manufacture of printed circuit boards, or the like.