

Title (en)

Heat-developable light-sensitive material.

Title (de)

Wärmeentwickelbares lichtempfindliches Material.

Title (fr)

Produit sensible à la lumière développable à la chaleur.

Publication

EP 0418743 A2 19910327 (EN)

Application

EP 90117690 A 19900913

Priority

- JP 24096389 A 19890918
- JP 26955689 A 19891017
- JP 30107689 A 19891120

Abstract (en)

A heat-developable light-sensitive material is disclosed comprising a support having thereon at least a light-sensitive silver halide, a binder, and a reducing agent precursor represented by following formula (I) or (II) and having a melting point of not higher than 120 DEG C; <CHEM> wherein R1, R2, R3, and R4 each represents a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group; R5 represents a substituted or unsubstituted aryl group or a substituted or unsubstituted heterocyclic group; and X represents a substituted alkyl group, an acyl group, an alkoxycarbonyl group, an aryloxy carbonyl group, a carbamoyl group, a substituted carbamoyl group, a sulfamoyl group, a substituted sulfamoyl group, a group shown by the following formula <CHEM> (wherein Z represents a divalent linkage group bonded to the phthalide nucleus via an oxygen atom; n represents 0 or 1; L represents a halogen atom, an alkyl group, an alkenyl group, an aryl group, an alkoxy group, an aryloxy group, an acyloxy group, a carbonic acid ester group, an amino group, a carbonamido group, a sulfonamido group, a ureido group, an aminosulfonamido group, a carbamate group, a carboxy group, an oxycarbonyl group, a carbamoyl group, an acyl group, a sulfo group, an alkylsulfonyl group, an arylsulfonyl group, a sulfamoyl group, a cyano group, or a nitro group; and m represents 0 or an integer of from 1 to 4), or a group shown by the following formula -@-M-@-Q (wherein M represents <CHEM> (wherein p represents 2 or 3; R<1><1> represents a hydrogen atom, an alkyl group, a phenyl group, a halogen atom, or an alkoxy group; and R<1><2> and R<1><3> each represents a hydrogen atom, a halogen atom, an alkyl group, a phenyl group; said R<1><2> and R<1><3> may close ring together to form a benzene ring); and Q represents a hydroxy group, <CHEM> or R<1><6> (wherein R<1><4> represents a hydrogen atom, an aryl group, or an alkyl group; R<1><5> represents a hydrogen atom or an acyl group; and R<1><6> represents a hydrolyzable group)).

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