Title (en)

SILVER HALIDE PHOTOGRAPHIC MATERIAL

Publication

EP 0303301 A3 19890517 (EN)

Application

EP 88113272 A 19880816

Priority

- JP 20193787 A 19870814
- JP 20193887 A 19870814

Abstract (en)

[origin: EP0303301A2] A silver halide photographic material composed of a support having thereon at least one light-sensitive silver halide emulsion layer, at least one layer thereof containing at least one compound capable of releasing a foggant represented by formula (M-1) or (M-2) by a coupling reaction or a redox reaction with the oxidation product of a developing agent under alkaline conditions during development: (M-1) A - (L) l - Q min in which A represents a group to accelerate adsorbing to silver halide; L represents a divalent linking group; l is 0 or 1; and Q min represents a group derived from a quaternary salt nucleating agent represented by formula Q, by removing any hydrogen redical therefrom: <CHEM> where Z represents a substituted or unsubstituted non-metallic atomic group necessary for forming a 5- or 6-membered hetero-ring; R<1> represents a substituted or unsubstituted aliphatic group; R<2> represents hydrogen, a substituted or unsubstituted aliphatic group or substituted or unsubstituted and aromatic group, R<2> may be linked to Z to form a ring; provided that at least one of R<1>, R<2> and Z contains an alkyl group, an acyl group, a hydrazine group or a hydrazone group, or R<1> and R<2> are linked to form a 6-membered dihydropyridinium ring; Y represents a counter ion necessary for charge balance; and n is 0 or 1; and <CHEM> in which R<m1> represents a divalent atomic group; R<m2> represents hydrogen, an alkyl group, an aralkyl group, an aryl group, an alkoxy group, an aryloxy group or an amino group; G represents a carbonyl group, a sulfonyl group, a sulfoxy group, a phosphoryl group or an iminomethylene group; one of R<m3> and R<m4> is hydrogen, and the other hydrogen, an alkylsulfonyl group, an arylsulfonyl group or an acyl group; A represents a group accelerate the adsorbing to a silver halide; L represents a divalent linking group; and l is 0 or 1. The material forms a direct positive image with a high maximum image density and a high resolving power. The material has a high storage stability even under high temperature and high humidity.

IPC 1-7

G03C 7/32

IPC 8 full level

G03C 7/305 (2006.01); G03C 1/485 (2006.01)

CPC (source: EP)

G03C 7/305 (2013.01); G03C 1/48538 (2013.01)

Citation (search report)

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- [Y] EP 0117511 A2 19840905 - FUJI PHOTO FILM CO LTD [JP]
- [AD] EP 0118087 A2 19840912 - FUJI PHOTO FILM CO LTD [JP]
- [XPL] WO 8801402 A1 19880225 - FUJI PHOTO FILM CO LTD [JP]
- [Y] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 212 (P-480)[2268], 24th July 1986; & JP-A-61 51 141 (FUJI PHOTO FILM CO. LTD) 13-03-1986

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