

Title (en)

Method for processing an exposed photographic silver halide material

Title (de)

Verfahren zur Verarbeitung eines photographischen, belichteten Silberhalogenidmaterials

Title (fr)

Procédé pour la traitement d'un matériau photographique

Publication

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Application

EP 96200135 A 19960119

Priority

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Abstract (en)

A method has been disclosed of processing an exposed silver halide photographic material comprising at least one coated hydrophilic silver halide emulsion layer comprising tabular grains rich in chloride, bounded by $\bar{A}100\bar{U}$ or $\bar{A}111\bar{U}$ major faces, characterised by the steps of developing, followed by fixing, rinsing and drying the said material, wherein developing proceeds in a developer, comprising hydroquinone in an amount from 0 to 30 g per litre, an auxiliary developer, as silver halide complexing agents alkali metal sulphite salts in an amount from 1 to 50 g per litre, at least 1 g of a compound corresponding to the formula (I), a precursor thereof, a derivative thereof and/or a metal salt thereof <CHEM> wherein each of A, B and D independently represents an oxygen atom or NR<1>; X represents an oxygen atom, a sulphur atom, NR<2>; CR<3>R<4>; C=O; C=NR<5> or C=S; Y represents an oxygen atom, a sulphur atom, NR<2>; CR<3>R<4>; C=O; C=NR<5> or C=S; Z represents an oxygen atom, a sulphur atom, NR<2>; CR<3>R<4>; C=O; C=NR<5> or C=S; n equals 0, 1 or 2; each of R<1> to R<5>, R<1> to R<5> and R<1> to R<5>, independently represents hydrogen, substituted or unsubstituted alkyl, aralkyl, hydroxyalkyl, carboxyalkyl; substituted or unsubstituted alkenyl, substituted or unsubstituted alkynyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted cycloalkenyl, substituted or unsubstituted aryl or substituted or unsubstituted heterocyclyl; and wherein R<3> and R<4>, R<3> and R<4>, R<3> and R<4>, may further form together a ring; and wherein in the case that X=CR<3>R<4> and Y=CR<3>R<4>, R<3> and R<3> and/or R<4> and R<4> may form a ring and wherein in the case that Y=CR<3>R<4> and Z=CR<3>R<4> with n= 1 or 2, R<3> and R<3> and/or R<4> and R<4> may form a ring. Optionally said developer further comprises at least one thiocyanate salt in an amount from 0.1 to 3.0 g, and more preferably from 0.5 to 2.5 g per litre or a compound corresponding to the formula (II), accompanied by charge compensating anions, in amounts from 0.1 to 5 g and more preferably from 0.5 to 2.5 g per litre; <CHEM> wherein at least R or one of the ring substituents contains at least one oxyethylene group; or wherein R is a substituted or unsubstituted aliphatic or aromatic group and wherein Z' is composed of atoms to form a substituted or unsubstituted heterocyclic aromatic 5- or 6- ring.

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Citation (search report)

- [Y] EP 0580041 A2 19940126 - FUJI PHOTO FILM CO LTD [JP]
- [Y] US H1294 H 19940301 - YAMADA SUMITO [JP], et al
- [Y] EP 0518352 A1 19921216 - DAINIPPON INK & CHEMICALS [JP]
- [Y] US 3512981 A 19700519 - PRCHAL GORDON L, et al
- [A] GB 2109577 A 19830602 - EASTMAN KODAK CO
- [A] EP 0538947 A1 19930428 - AGFA GEVAERT NV [BE]
- [A] US 5384232 A 19950124 - BISHOP JULIE C [US], et al
- [A] US 3865591 A 19750211 - KATZ JEROME

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