

Title (en)
SILVER HALIDE COLOR PHOTOGRAPHIC MATERIAL

Publication
EP 0295583 A3 19890222 (EN)

Application
EP 88109296 A 19880610

Priority
JP 14663087 A 19870612

Abstract (en)
[origin: EP0295583A2] A silver halide color photographic material comprising a reflective support having provided therein a blue-sensitive silver halide emulsion layer, a green-sensitive silver halide emulsion layer, a red-sensitive silver halide emulsion layer and plural light-insensitive layers, wherein the blue-sensitive silver halide emulsion layer contains a monodisperse silver halide emulsion and a yellow coupler represented by formula (I) defined below, and at least one light-insensitive layer which is positioned farther from the reflective support than the blue-sensitive silver halide emulsion layer is a hydrophilic colloid layer containing at least one hydrophobic compound represented by formula (II) defined below, and a relative refractive index of an organic phase containing the hydrophobic compound with the exception of a volatile organic solvent and an amphipathic solute to a hydrophilic polymer thin film which forms the light-insensitive layer is in a range from 0.9875 to 1.0125; wherein said yellow coupler is represented by formula (I) <CHEM> wherein R1 represents a halogen atom or an alkoxy group; R2 represents a hydrogen atom, a halogen atom, or an alkoxy group; A represents -NHCOR3, -NHSO2R3, -SO2NHR3, -COOR3 or <CHEM> R3 and R4 each represents an alkyl group; and Y represents a group which is capable of being released upon a coupling reaction with an oxidation product of a developing agent and is connected to the coupling position through an oxygen atom or a nitrogen atom; and wherein said hydrophobic compound is represented by formula (II) <CHEM> wherein R5, R6, R7, R8 and R9 each represents a hydrogen atom, a halogen atom, a nitro group, a hydroxy group, an alkyl group, an alkenyl group, an aryl group, an alkoxy group, an acyloxy group, an aryloxy group, an alkylthio group, an arylthio group, a mono- or di-alkylamino group, an acylamino group or a 5-membered or 6-membered heterocyclic group containing an oxygen atom or a nitrogen atom; or R8 and R9 are connected together to form a 5-membered or 6-membered aromatic carbon ring. The silver halide color photographic material has sufficiently high color forming properties, particularly in the blue-sensitive emulsion layer thereof, is suitable for a rapid processing, and is excellent in processing stability.

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Citation (search report)
• [XP] EP 0231870 A2 19870812 - FUJI PHOTO FILM CO LTD [JP]
• [YP] EP 0232770 A2 19870819 - FUJI PHOTO FILM CO LTD [JP]
• [Y] EP 0213700 A2 19870311 - KONISHIROKU PHOTO IND [JP]
• [Y] US 4668611 A 19870526 - NAKAMURA KOTARO [JP]

Cited by
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