

Title (en)
Silver halide photographic material.

Title (de)
Photographisches Silberhalogenidmaterial.

Title (fr)
Matériau photographique à l'halogénure d'argent.

Publication
EP 0568022 A1 19931103 (EN)

Application
EP 93106833 A 19930427

Priority
JP 11163492 A 19920430

Abstract (en)
Disclosed is a silver halide photographic material having a hydrophilic colloid layer containing at least one indolenine cyanine dye of formula (I) or (II): <CHEM> where R<1>, R<2>, R<3>, R<4>, R<5> and R<6> may be same or different and each represents an alkyl group; Z<1> and Z<2> each represents a non-metallic atomic group necessary for forming a benzo-condensed ring or naphtho-condensed ring; L represents a methine group; m represents an integer of from 0 to 3; X represents an anion; n represents 1 or 2, provided that when the compound forms an internal salt, n is 1; and the compound has at least five acidic substituents, at least two of which contain a carboxylic acid group; <CHEM> where R<1>, R<2>, R<3>, R<4>, R<5> and R<6> may be same or different and each represents an alkyl group; Z<1> and Z<2> each represents a non-metallic atomic group necessary for forming a benzo-condensed ring or naphtho-condensed ring; Z<3> represents a non-metallic atomic group necessary for forming a 5-membered or 6-membered ring; Y represents a hydrogen atom or a monovalent group; X represents an anion; n represents 1 or 2, provided that when the compound forms an internal salt, n is 1; and the compound has at least four acidic substituents, at least one of which contains a carboxylic acid group. The dye is stable in the material during storage. After being processed, the dye is decolored well to give little color retention in the processed material.

IPC 1-7
G03C 1/83

IPC 8 full level
G03C 1/83 (2006.01)

CPC (source: EP)
G03C 1/832 (2013.01)

Citation (search report)
• [XD] EP 0430244 A1 19910605 - FUJI PHOTO FILM CO LTD [JP]
• [YD] US 4839265 A 19890613 - OHNO SHIGERU [JP], et al
• [Y] EP 0445627 A1 19910911 - FUJI PHOTO FILM CO LTD [JP]
• [Y] EP 0342939 A1 19891123 - KONISHIROKU PHOTO IND [JP]
• [Y] EP 0428112 A1 19910522 - KONISHIROKU PHOTO IND [JP]
• [Y] EP 0341958 A2 19891115 - KONISHIROKU PHOTO IND [JP]

Cited by
EP1443972A4; EP1437386A4; EP0779540A1; DE4413893A1; US7510700B2; EP0751006A1; EP0763434A1; EP0846571A1

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