

Title (en)

A photosensitive element containing a silver halide emulsion chemically sensitized with a chalcogenic compound

Title (de)

Photoempfindliches Element, das eine mit einer Chalkogenverbindung chemisch sensibilisierte Silberhalogenidemulsion enthält

Title (fr)

Élément photosensible contenant une émulsion à l'halogénure d'argent sensibilisée chimiquement avec un composé chalcogénure

Publication

EP 0895121 B1 20040121 (EN)

Application

EP 98202305 A 19980708

Priority

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- EP 97202395 A 19970801

Abstract (en)

[origin: EP0895121A1] A photosensitive element which comprises on a support at least one photosensitive silver halide emulsion layer and at least a non-light sensitive layer, wherein the silver halide emulsion layer comprises a chalcogenic compound satisfying formula (1): <CHEM> wherein: X is Se or Te, forming a double bond with its neighbouring C-atom, Nu is a nucleophilic group which brings an electron pair in heterolytic bond formation, L is a divalent linking group representing each group which can position an electron donating atom in any of the 5th to the 8th position vis-a-vis the carbon atom of the carbon-chalcogen double bond, AQB represents the necessary atoms to form a substituted or non-substituted heterocyclic 5- or 6-membered ring, provided that when A is a Nitrogen-atom, B is an atom selected from the group consisting of NR<1>, O, S, Se and Te, R<1> can represent a hydrogen, a substituted or non-substituted alkyl-, acyl-, aryl-, aralkyl- or heteroaryl-group; and a method wherein said chalcogenic compound is used during the step of chemically sensitizing at least one of the said silver halide emulsions at a pH-value situated between 3 and 10, a pAg-value situated between 6 and 11 and a temperature in the range of from 40 DEG C up to 95 DEG C.

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G03C 1/09

IPC 8 full level

G03C 1/09 (2006.01)

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