

## Title (en)

Solid bleacher for silver halide colour photographic light sensitive material and the processing method thereof.

## Title (de)

Festes Bleichmittel für farbphotographische lichtempfindliche Silberhalogenidmaterialien und Verarbeitungsverfahren dafür.

## Title (fr)

Agent de blanchiment solide pour un matériau photographique en couleurs à l'halogénure d'argent sensible à la lumière.

## Publication

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## Application

**EP 93102922 A 19930225**

## Priority

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## Abstract (en)

A solid chemical and a process of processing a silver halide color photographic light-sensitive material comprising a support and provided thereon, a silver halide emulsion layer, using the solid chemical for bleaching the exposed and developed material; the chemical containing a ferric complex salt of a compound represented by the following Formula (A-I), (A-II), (A-III), (A-IV), (A-V) or (A-VI) and a compound represented by the following Formula (II) or (III): <CHEM> wherein A1, A2, A3 and A4 independently represent a hydrogen atom, a hydroxyl group, a lower alkyl group, -COOM, -PO3(M1)2, -CH2COOM2 or -CH2OH, provided that at least one of A1, A2, A3 and A4 represents -COOM, -PO3(M1)2, or -CH2COOM2, wherein M, M1, and M2 independently represent a hydrogen atom, an alkali metal, an ammonium group or an organic ammonium group; <CHEM> wherein A11, A12, A13 and A14 independently represent -CH2OH, -COOM3 or -PO3(M4)2; M3 and M4 independently represent a hydrogen atom, an ammonium group, an alkali metal or an organic ammonium group; and X represents an alkylene group having 2 to 6 carbon atoms or -(B1O)n-B2- wherein n is an integer of 1 to 8, and B1 and B2 independently represent an alkylene group having 1 to 5 carbon atoms; <CHEM> wherein A21, A22, A23 and A24 independently represent -CH2OH, -COOM5 or -PO3(M6)2; M5 and M6 independently represent a hydrogen atom, an alkali metal, an ammonium group or an organic ammonium group; X1 represents an alkylene group having 2 to 6 carbon atoms, a divalent cyclic organic group or - (B11O) n5-B12- wherein n5 is an integer of 1 to 8, and B11 and B12 independently represent an alkylene group having 1 to 5 carbon atoms; and n1, n2, n3 and n4 independently represent an integer of 1 or more; <CHEM> wherein R1 and R2 independently represent a hydrogen atom, an alkyl group or an aryl group; and L represents a group selected from the group consisting of <CHEM> <CHEM> wherein Y1, Y2 and Y3 independently represent an alkylene group or an arylene group; X2 and X3 independently represent an oxygen atom or a sulfur atom; and R3, R4, R5, R6 and R7 independently represent a hydrogen atom, an alkyl group or an aryl group; <CHEM> wherein R1, R2 and R3 independently represent a hydrogen atom, an alkyl group or an aryl group; L is the same with those denoted in Formula (A-IV); and W represents a divalent linking group; <CHEM> wherein R1, R2, R3, R6, R7, R8 and R9 independently represent a hydrogen atom, an alkyl group or an aryl group; R4 and R5 independently represent a hydrogen atom, a halogen atom, a cyano group, a nitro group, an acyl group, a sulfamoyl group, a carbamoyl group, an alkoxy carbonyl group, an allyloxy carbonyl group, a sulfonyl group, a sulfinyl group, an alkyl group or an aryl group, provided that R4 and R5 may be combined to form a 5- or 6-membered ring; A represents a carboxyl group, a phosphono group, a sulfo group, a hydroxyl group of an alkali metal salt or ammonium salt thereof; Y represents an alkylene group or an arylene group; and t and u independently represent an integer of 0 or 1; Formula (II) X2-A2-COOM2 wherein X2 represents a halogen atom, an amino group, a hydroxyl group, a methoxy group, -COOM2 or -SO3M2; and A2 represents an alkylene group, an alkenylene group or an arylene groups; and M2 represents a hydrogen atom, an alkali metal, an ammonium group or an organic ammonium group; Formula (III) NH2-A3-SO3M3 wherein A3 represents an alkylene group, an alkenylene group or an arylene groups; and M3 represents a hydrogen atom, an alkali metal, an ammonium group or an organic ammonium group.

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## Cited by

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