

Title (en)

Silver halide photographic materials containing aryl hydrazides

Title (de)

Arylhydrazide enthaltende photographische Silberhalogenidmaterialien

Title (fr)

Matériaux photographiques aux halogénures d'argent contenant des arylhydrazides

Publication

EP 0356898 B1 19961127 (DE)

Application

EP 89115534 A 19890823

Priority

- DE 3829078 A 19880827
- DE 3921134 A 19890628

Abstract (en)

[origin: JPH02120736A] PURPOSE: To rapidly form an ultrahigh contrast dot image at a relatively low pH by adding specified arylhydrazide.
CONSTITUTION: An emulsion layer or other hydrophilic colloidal layer of this element contains arylhydrazide represented by formula I wherein Ar is substd. phenyl or (un)substd. aryl, G is CO, SO, etc., X<+> is a group contg. a cationic group, each of R and R<1> is H, 1-6C alkyl, etc., and A<-> is an anion. Arylhydrazide represented by formula II is preferably used as the component represented by the formula I. In the formula II, each of R1 -R5 is H, 1-20C alkyl, etc., Q<+> is trialkylammonium, pyridinium-1-yl, etc., B is a crosslinking group consisting of 1-3 methylene groups and A<-> is an anion. A compd. represented by formula III may be used as the component represented by formula II.

IPC 1-7

G03C 1/10; **C07D 243/34**; **C07D 213/20**; **C07D 213/86**; **C07D 213/34**; **C07D 277/10**; **C07D 213/65**; **C07C 243/34**

IPC 8 full level

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CPC (source: EP US)

G03C 1/061 (2013.01 - EP US)

Cited by

EP0628861A1; US5407792A; EP0693708A1; EP0618486A3; US5468592A; EP0694808A1; US6218070B1; WO9311456A1; EP0398355B1

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