

Title (en)

PROCESS FOR THE FORMATION OF MASKED POSITIVE COLOUR IMAGES ACCORDING TO THE SILVER DYE-BLEACHING PROCESS,
AND THE SILVER DYE-BLEACHING MATERIAL USED IN THIS PROCESS

Publication

EP 0044812 B1 19850619 (DE)

Application

EP 81810290 A 19810716

Priority

CH 558880 A 19800722

Abstract (en)

[origin: US4368256A] Production of masked positive color images by the silver dye bleach process, by exposure of a photographic material for the silver dye bleach process, silver developing, dye bleaching, silver bleaching and fixing, optionally the silver bleaching is carried out simultaneously with the dye bleaching and/or the fixing, in a single processing bath. The photographic material used contains (a) in at least one layer, at least one first dye from which at least one undesired secondary color density is to be compensated, (b) in the layer(s) (a) and/or in a layer adjacent to this layer, (in each case) one iodide-containing silver halide emulsion associated with this dye (these dyes), (c) in at least one other layer, at least (in each case) one second dye, the main color density of which corresponds to the secondary color density (densities), to be compensated, of the first dye(s), (d) in the layer(s) (c) and/or in a layer adjacent thereto, an iodide-free silver halide emulsion associated with this dye (these dyes), or, in comparison with the emulsions mentioned under (b), a silver halide emulsion of low iodide content, and (e) in the layer(s) (c) and/or in at least one other layer which is adjacent to the layer(s) (c) and which is separated from one or more layers (a) by at least one intermediate layer, a core-shell emulsion which is free of iodide or has a low iodide content, the particles of which emulsion consist of a surface-fogged silver halide core and of an unfogged silver halide shell enclosing the latter, it being possible for this emulsion to be developed spontaneously up to the maximum density by the action of a developer, and optionally a developing retarder. The developing rate of the core-shell emulsion and hence the masking effect can furthermore be influenced by the shell thickness of the core-shell particles and also by the sulfite content of the developer. The developing is carried out in a developer solution which does not contain any silver-complexing agents.

IPC 1-7

G03C 5/52

IPC 8 full level

G03C 7/02 (2006.01); **G03C 7/18** (2006.01); **G03C 7/28** (2006.01)

CPC (source: EP US)

G03C 7/18 (2013.01 - EP US); **G03C 7/28** (2013.01 - EP US)

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0044812 A2 19820127; **EP 0044812 A3 19821117**; **EP 0044812 B1 19850619**; CA 1174505 A 19840918; DE 3171013 D1 19850725;
JP S5752054 A 19820327; US 4368256 A 19830111

DOCDB simple family (application)

EP 81810290 A 19810716; CA 382130 A 19810721; DE 3171013 T 19810716; JP 11379781 A 19810722; US 28268781 A 19810713