

## SECTION G — PHYSICS

**G03 PHOTOGRAPHY; CINEMATOGRAPHY; ANALOGOUS TECHNIQUES USING WAVES OTHER THAN OPTICAL WAVES; ELECTROGRAPHY; HOLOGRAPHY**

**G03C PHOTSENSITIVE MATERIALS FOR PHOTOGRAPHIC PURPOSES; PHOTOGRAPHIC PROCESSES, e.g. CINE, X-RAY, COLOUR OR STEREO-PHOTOGRAPHIC PROCESSES; AUXILIARY PROCESSES IN PHOTOGRAPHY** (photographic processes characterised by the use or manipulation of apparatus classifiable per se in subclass G03B, see G03B)

**Note(s) [5]**

In this subclass, the following expressions are used with the meanings indicated:

- "photosensitive compositions" covers photosensitive substances, e.g. silver halides, and, if applicable, binders or additives;
- "photosensitive materials" covers the photosensitive compositions, e.g. emulsions, the bases carrying them, and, if applicable, auxiliary layers.

**Subclass index**

## PHOTOGRAPHIC PROCESSES

General.....	5/00, 11/00
For colour photography.....	7/00
For diffusion transfer processes.....	8/00
For stereo-photography and the like.....	9/00
PHOTSENSITIVE COMPOSITIONS AND MATERIALS.....	1/00
PACKAGING.....	3/00

<b>1/00 Photosensitive materials</b> (photosensitive materials for multicolour processes G03C 7/00; for diffusion transfer processes G03C 8/00) <b>[1, 5, 2006.01]</b>	1/09 • • • • Noble metals or mercury; Salts or compounds thereof; Sulfur, selenium or tellurium, or compounds thereof, e.g. for chemical sensitising (G03C 1/34, G03C 1/35 take precedence) <b>[5, 2006.01]</b>
1/005 • Silver halide emulsions; Preparation thereof; Physical treatment thereof; Incorporation of additives therein (catalytic amounts of silver halide in dry silver systems G03C 1/498) <b>[5, 2006.01]</b>	1/10 • • • • Organic substances <b>[1, 2006.01]</b>
1/015 • • Apparatus or processes for the preparation of emulsions (coating, drying G03C 1/74) <b>[5, 2006.01]</b>	1/12 • • • • • Methine or polymethine dyes <b>[1, 2006.01]</b>
1/025 • • Physical treatment of emulsions, e.g. by ultrasonics, refrigeration, pressure (coating, drying G03C 1/74) <b>[5, 2006.01]</b>	1/14 • • • • • with an odd number of CH groups <b>[1, 2006.01]</b>
1/035 • • characterised by the crystal form or composition, e.g. mixed grain <b>[5, 2006.01]</b>	1/16 • • • • • with one CH group <b>[1, 2006.01]</b>
1/04 • • with macromolecular additives; with layer-forming substances <b>[1, 5, 2006.01]</b>	1/18 • • • • • with three CH groups <b>[1, 2006.01]</b>
1/043 • • • Polyalkylene oxides; Polyalkylene sulfides; Polyalkylene selenides; Polyalkylene tellurides <b>[5, 2006.01]</b>	1/20 • • • • • with more than three CH groups <b>[1, 2006.01]</b>
1/047 • • • Proteins, e.g. gelatine derivatives; Hydrolysis or extraction products of proteins <b>[5, 2006.01]</b>	1/22 • • • • • with an even number of CH groups <b>[1, 2006.01]</b>
1/053 • • • Polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers <b>[5, 2006.01]</b>	1/24 • • • • • Styryl dyes <b>[1, 2006.01]</b>
1/06 • • with non-macromolecular additives (G03C 1/04 takes precedence) <b>[1, 5, 2006.01]</b>	1/26 • • • • • Polymethine chain forming part of a heterocyclic ring <b>[1, 2006.01]</b>
1/07 • • • Substances influencing grain growth during silver salt formation <b>[5, 2006.01]</b>	1/28 • • • • together with supersensitising substances <b>[1, 2006.01]</b>
1/08 • • • Sensitivity-increasing substances <b>[1, 5, 2006.01]</b>	1/29 • • • • • the supersensitising mixture being solely composed of dyes <b>[5, 2006.01]</b>
	1/295 • • • Development accelerators <b>[5, 2006.01]</b>
	1/30 • • • Hardeners <b>[1, 2006.01]</b>
	1/31 • • • Plasticisers <b>[2, 2006.01]</b>
	1/32 • • • Matting agents <b>[1, 2006.01]</b>
	1/33 • • • Spot-preventing agents <b>[2, 2006.01]</b>
	1/34 • • • Fog-inhibitors; Stabilisers; Agents inhibiting latent image regression <b>[1, 5, 2006.01]</b>
	1/35 • • • Antiplumming agents, i.e. antibronzing agents; Toners <b>[2, 5, 2006.01]</b>

- 1/36 • • • Desensitisers (direct positive emulsions G03C 1/485) [1, 5, 2006.01]
- 1/37 • • • Antiseptic agents [2, 2006.01]
- 1/38 • • • Dispersants; Agents facilitating spreading [1, 5, 2006.01]
- 1/40 • • • Dyestuffs not covered by groups G03C 1/08-G03C 1/38 or G03C 1/42 [1, 5, 2006.01]
- 1/42 • • • Developers or their precursors [1, 5, 2006.01]
- 1/43 • • • Processing agents or their precursors, not covered by groups G03C 1/07-G03C 1/42 [5, 2006.01]
- 1/46 • • having more than one photosensitive layer [1, 2006.01]
- 1/485 • • Direct positive emulsions [2, 5, 2006.01]
- 1/49 • • Print-out and photodevelopable emulsions [2, 5, 2006.01]
- 1/492 • • Photosoluble emulsions [5, 2006.01]
- 1/494 • • Silver salt compositions other than silver halide emulsions; Photothermographic systems [5, 2006.01]
- 1/496 • • Binder-free compositions, e.g. evaporated [5, 2006.01]
- 1/498 • • Photothermographic systems, e.g. dry silver [5, 2006.01]
- 1/50 • • Compositions containing noble metal salts other than silver salts, as photosensitive substances [1, 5, 2006.01]
- 1/52 • • Compositions containing diazo compounds as photosensitive substances (G03C 1/64 takes precedence) [1, 5, 2006.01]
- 1/54 • • Diazonium salts or diazo anhydrides [1, 2006.01]
- 1/56 • • Diazo sulfonates [1, 2006.01]
- 1/58 • • Coupling substances therefor [1, 5, 2006.01]
- 1/60 • • with macromolecular additives [1, 5, 2006.01]
- 1/61 • • with non-macromolecular additives [5, 2006.01]
- 1/62 • • • Metal compounds reducible to metal [1, 2006.01]
- 1/64 • • Compositions containing iron compounds as photosensitive substances [1, 5, 2006.01]
- 1/66 • • Compositions containing chromates as photosensitive substances [1, 5, 2006.01]
- 1/67 • • Compositions containing cobalt compounds as photosensitive substances [5, 2006.01]
- 1/675 • • Compositions containing polyhalogenated compounds as photosensitive substances [5, 2006.01]
- 1/685 • • Compositions containing spiro-condensed pyran compounds or derivatives thereof, as photosensitive substances [5, 2006.01]
- 1/695 • • Compositions containing azides as photosensitive substances [5, 2006.01]
- 1/705 • • Compositions containing chalcogenides, metals or alloys thereof, as photosensitive substances, e.g. photodope systems [5, 2006.01]
- 1/72 • • Photosensitive compositions not covered by groups G03C 1/005-G03C 1/705 [1, 5, 2006.01]
- 1/725 • • containing inorganic compounds [5, 2006.01]
- 1/73 • • containing organic compounds [5, 2006.01]
- 1/735 • • • Organo-metallic compounds [5, 2006.01]
- 1/74 • • Applying photosensitive compositions to the base; Drying processes therefor (G03C 1/496 takes precedence) [1, 2, 5, 2006.01]
- 1/76 • • Photosensitive materials characterised by the base or auxiliary layers [1, 5, 2006.01]
- 1/765 • • characterised by the shape of the base, e.g. arrangement of perforations, jags [5, 2006.01]
- 1/77 • • the base being of metal [5, 2006.01]
- 1/775 • • the base being of paper [5, 2006.01]
- 1/785 • • • translucent [5, 2006.01]
- 1/79 • • • Macromolecular coatings or impregnations therefor, e.g. varnishes [5, 2006.01]
- 1/795 • • the base being formed of macromolecular substances (G03C 1/775 takes precedence) [5, 2006.01]
- 1/805 • • characterised by stripping layers or stripping means [5, 2006.01]
- 1/81 • • characterised by anti-coiling means [5, 2006.01]
- 1/815 • • characterised by means for filtering or absorbing ultra-violet light, e.g. optical bleaching agents (for photoprinting G03C 5/10; for intensifying X-ray images G03C 5/17) [5, 2006.01]
- 1/825 • • characterised by antireflecting means or visible-light filtering means, e.g. anti-halation [5, 2006.01]
- 1/83 • • • Organic dyestuffs therefor [5, 2006.01]
- 1/835 • • • Macromolecular substances therefor, e.g. mordants [5, 2006.01]
- 1/85 • • characterised by antistatic additives or coatings [5, 2006.01]
- 1/89 • • • Macromolecular substances therefor [5, 2006.01]
- 1/91 • • characterised by subbing layers or subbing means [5, 2006.01]
- 1/93 • • • Macromolecular substances therefor [5, 2006.01]
- 1/95 • • rendered opaque or writable, e.g. with inert particulate additives (G03C 1/775 takes precedence) [5, 2006.01]
- 3/00 **Packages of films for inserting into cameras, e.g. roll-films or film-packs; Wrapping materials for light-sensitive plates, films, or papers, e.g. materials characterised by the use of special dyes, printing inks or adhesives [1, 2006.01]**
- 3/02 • • Photographic roll-films with paper strips [1, 2006.01]
- 5/00 **Photographic processes or agents therefor; Regeneration of such processing agents (multicolour processes G03C 7/00; diffusion transfer processes G03C 8/00; stereo-photographic processes G03C 9/00) [1, 4, 5, 2006.01]**
- 5/02 • • Sensitometric processes, e.g. determining sensitivity, colour sensitivity, gradation, graininess, density; Making sensitometric wedges [1, 2006.01]
- 5/04 • • Photo-taking processes [1, 2006.01]
- 5/06 • • • Travelling-mask processes [1, 2006.01]
- 5/08 • • Photoprinting (G03C 5/18 takes precedence); Processes or means for preventing photoprinting [1, 3, 5, 2006.01]
- 5/10 • • • Reflex-printing; Photoprinting using fluorescent or phosphorescent means [1, 5, 2006.01]
- 5/12 • • Cinematographic processes of taking pictures or printing [1, 2006.01]
- 5/14 • • combined with sound-recording [1, 2006.01]
- 5/16 • • X-ray, infra-red, or ultra-violet ray processes [1, 2006.01]
- 5/17 • • using screens to intensify X-ray images [2, 4, 2006.01]
- 5/18 • • Diazo-type processes, e.g. thermal development, or agents therefor [1, 3, 5, 2006.01]
- 5/20 • • • Reflex-printing [1, 2006.01]
- 5/22 • • Direct chromate processes, i.e. without preceding silver picture, or agents therefor [1, 5, 2006.01]
- 5/26 • • Processes using silver-salt-containing photosensitive materials or agents therefor (physical development G03C 5/58) [1, 5, 2006.01]

- 5/28 • • Cinematographic-film processes [1, 5, 2006.01]
- 5/29 • • Development processes or agents therefor (G03C 5/38, G03C 5/50 take precedence) [5, 2006.01]
- 5/30 • • • Developers [1, 2006.01]
- 5/305 • • • Additives other than developers [5, 2006.01]
- 5/31 • • • Regeneration; Replenishers [5, 2006.01]
- 5/315 • • • Tanning development [5, 2006.01]
- 5/32 • • Latensification; Desensitising [1, 5, 2006.01]
- 5/38 • • Fixing; Developing-fixing; Hardening-fixing (bleach-fixing G03C 5/44) [1, 5, 2006.01]
- 5/39 • • • Stabilising, i.e. fixing without washing out [2, 5, 2006.01]
- 5/395 • • Regeneration of photographic processing agents other than developers; Replenishers therefor [4, 5, 2006.01]
- 5/40 • • Chemically transforming developed images (G03C 5/50 takes precedence) [1, 5, 2006.01]
- 5/42 • • • Reducing; Intensifying [1, 5, 2006.01]
- 5/44 • • • Bleaching; Bleach-fixing [1, 5, 2006.01]
- 5/46 • • • Toning [1, 5, 2006.01]
- 5/48 • • • Mordanting [1, 5, 2006.01]
- 5/50 • • Reversal development; Contact processes (G03C 5/315, G03C 8/00 take precedence) [1, 5, 2006.01]
- 5/56 • Processes using photosensitive compositions covered by groups G03C 1/64-G03C 1/72 or agents therefor (G03C 5/58 takes precedence) [1, 5, 2006.01]
- 5/58 • Processes for obtaining metallic images by vapour deposition or physical development [5, 2006.01]
- 5/60 • Processes for obtaining vesicular images [5, 2006.01]
- 7/00 Multicolour photographic processes or agents therefor; Regeneration of such processing agents; Photosensitive materials for multicolour processes (diffusion transfer processes G03C 8/00) [1, 4, 5, 2006.01]**
- 7/02 • Direct bleach-out processes; Materials therefor; Preparing or processing such materials [1, 5, 2006.01]
- 7/04 • Additive processes using colour screens; Materials therefor; Preparing or processing such materials [1, 5, 2006.01]
- 7/06 • • Manufacture of colour screens [1, 2006.01]
- 7/08 • • • from diversely-coloured grains irregularly distributed [1, 2006.01]
- 7/10 • • • with regular areas of colour, e.g. bands, lines, dots [1, 2006.01]
- 7/12 • • • • by photo-exposure [1, 2006.01]
- 7/14 • Additive processes using lenticular screens; Materials therefor; Preparing or processing such materials [1, 5, 2006.01]
- 7/18 • Processes for the correction of the colour image in subtractive colour photography (using coloured colour-couplers G03C 7/333) [1, 5, 2006.01]
- 7/20 • Subtractive colour processes using differently sensitised films, each coated on its own base, e.g. bipacks, tripacks [1, 5, 2006.01]
- 7/22 • Subtractive cinematographic processes; Materials therefor; Preparing or processing such materials [1, 5, 2006.01]
- 7/24 • • combined with sound-recording [1, 2006.01]
- 7/25 • • Dye-imbibition processes; Materials therefor; Preparing or processing such materials [5, 2006.01]
- 7/26 • Silver halide emulsions for subtractive colour processes (G03C 7/28-G03C 7/30 take precedence) [1, 5, 2006.01]
- 7/28 • Silver dye bleach processes; Materials therefor; Preparing or processing such materials [1, 5, 2006.01]
- 7/29 • • Azo dyes therefor [5, 2006.01]
- 7/30 • Colour processes using colour-coupling substances; Materials therefor; Preparing or processing such materials [1, 5, 2006.01]
- 7/305 • • Substances liberating photographically active agents, e.g. development-inhibiting releasing couplers (G03C 7/388 takes precedence) [5, 2006.01]
- 7/32 • • Colour-coupling substances (G03C 7/305, G03C 7/388 take precedence) [1, 5, 2006.01]
- 7/327 • • • Macromolecular coupling substances [5, 2006.01]
- 7/333 • • • Coloured coupling substances, e.g. for the correction of the coloured image [5, 2006.01]
- 7/34 • • • Couplers containing phenols (G03C 7/327, G03C 7/333 take precedence) [1, 5, 2006.01]
- 7/36 • • • Couplers containing compounds with active methylene groups (G03C 7/327, G03C 7/333 take precedence) [1, 5, 2006.01]
- 7/38 • • • • in rings [1, 5, 2006.01]
- 7/384 • • • • • in pyrazolone rings [5, 2006.01]
- 7/388 • • Processes for the incorporation in the emulsion of substances liberating photographically active agents or colour-coupling substances; Solvents therefor [5, 2006.01]
- 7/392 • • Additives (G03C 7/305, G03C 7/32 take precedence) [5, 2006.01]
- 7/396 • • • Macromolecular additives [5, 2006.01]
- 7/407 • • Development processes or agents therefor [5, 2006.01]
- 7/413 • • • Developers [5, 2006.01]
- 7/42 • • Bleach-fixing or agents therefor [3, 5, 2006.01]
- 7/44 • • Regeneration; Replenishers (G03C 7/42 takes precedence) [5, 2006.01]
- 7/46 • Subtractive colour processes not covered by group G03C 7/26; Materials therefor; Preparing or processing such materials [5, 2006.01]
- 8/00 Diffusion transfer processes or agents therefor; Photosensitive materials for such processes [5, 2006.01]**
- 8/02 • Photosensitive materials characterised by the image-forming section [5, 2006.01]
- 8/04 • • the substances transferred by diffusion consisting of inorganic compounds or of organo-metallic compounds derived from photosensitive noble metals [5, 2006.01]
- 8/06 • • • Silver salt diffusion transfer [5, 2006.01]
- 8/08 • • the substances transferred by diffusion consisting of organic compounds (G03C 8/04 takes precedence) [5, 2006.01]
- 8/10 • • • of dyes or their precursors [5, 2006.01]
- 8/12 • • • • characterised by the release mechanism [5, 2006.01]
- 8/14 • • • • • Oxidation of the chromogenic substance [5, 2006.01]
- 8/16 • • • • • initially diffusible in alkaline environment [5, 2006.01]
- 8/18 • • • • • • Dye developers [5, 2006.01]
- 8/20 • • • • • • initially non-diffusible in alkaline environment [5, 2006.01]

- 8/22 • • • • Reduction of the chromogenic substance [5, 2006.01]
- 8/24 • Photosensitive materials characterised by the image-receiving section [5, 2006.01]
- 8/26 • • Image-receiving layers (G03C 8/52 takes precedence) [5, 2006.01]
- 8/28 • • • containing development nuclei or compounds forming such nuclei [5, 2006.01]
- 8/30 • Additive processes using colour screens; Materials therefor; Preparing or processing such materials [5, 2006.01]
- 8/32 • Development processes or agents therefor (G03C 8/18 takes precedence) [5, 2006.01]
- 8/34 • • Containers for the agents (G03C 8/48, G03B 17/50 take precedence) [5, 2006.01]
- 8/36 • • Developers [5, 2006.01]
- 8/38 • • • containing viscosity increasing substances [5, 2006.01]
- 8/40 • • Development by heat [5, 2006.01]
- 8/42 • Structural details [5, 2006.01]
- 8/44 • • Integral units, i.e. the image-forming section not being separated from the image-receiving section [5, 2006.01]
- 8/46 • • • characterised by the trapping means or by gas releasing means [5, 2006.01]
- 8/48 • • • characterised by substances used for masking the image-forming section [5, 2006.01]
- 8/50 • • Peel-apart units, i.e. the image-forming section being separated from the image-receiving section [5, 2006.01]
- 8/52 • • Bases or auxiliary layers; Substances therefor [5, 2006.01]

- 8/54 • • • Timing layers [5, 2006.01]
- 8/56 • • • Mordant layers [5, 2006.01]

**9/00 Stereo-photographic or similar processes [1, 2006.01]**

- 9/02 • Parallax-stereogram [1, 2006.01]
- 9/04 • Vectographic-image [1, 2006.01]
- 9/06 • Anaglyph [1, 2006.01]
- 9/08 • producing three-dimensional images [1, 2006.01]

**11/00 Auxiliary processes in photography** (characterised by apparatus used G03D 15/00) [1, 2006.01]

- 11/02 • Marking or applying of text [1, 2006.01]
- 11/04 • Retouching [1, 2006.01]
- 11/06 • Smoothing; Renovating; Roughening; Matting; Cleaning; Lubricating; Flame retardant treatments [1, 5, 2006.01]
- 11/08 • Varnishing, e.g. application of protective layers on finished photographic prints [1, 5, 2006.01]
- 11/10 • • for protection from ultra-violet light [1, 2006.01]
- 11/12 • Stripping or transferring intact photographic layers [1, 2006.01]
- 11/14 • Pasting; Mounting [1, 2006.01]
- 11/16 • Drying [1, 2006.01]
- 11/18 • Colouring [1, 2006.01]
- 11/20 • • with powdered or molten colours [1, 2006.01]
- 11/22 • Preparing plates or films for the manufacture of photographic negatives by non-photographic processes [1, 2006.01]
- 11/24 • Removing emulsion from waste photographic material; Recovery of photosensitive substances [1, 5, 2006.01]