

57 **Photography, cinematography and sound motion pictures**

57a Photographic cameras and accessories, shutters, motion picture apparatus, automatic cameras, sound motion picture apparatus

57b Photographic processes, blueprints, photosensitive plates and papers, colour photography, X-ray photography and photosculpture

57b (IPC: G03C) Photosensitive compositions or bases carrying them; Photographic processes, e.g. cine, x-ray, colour, stereophotographic processes; Auxiliary processes in photography

57c Devices and machines, dark rooms

57d Photomechanical reproduction

57e (IPC: G03G) Electrography; Electrophotography; Magnetography

57a Photographic cameras and accessories, shutters, motion picture apparatus, automatic cameras, sound motion picture apparatus (lenses and optical accessories 42h)

Cameras with baseboard, cover or the like; studio cameras

57a-1/01 Lens boards, lens carriers and devices for setting, inclining and transverse shifting

57a-1/02 Baseboards

57a-1/03 Rear part of cameras (focusing screens 57a-10/01)

57a-1/04 Camera bellows

57a-1/05 Mechanical devices for adjusting the emulsion support to the picture plane

57a-1/06 Optical devices for adjusting the picture plane

57a-1/07 Cameras with automatic adjustment of lens board on opening of camera, spring cameras

57a-1/08 Materials and processes for manufacturing camera components

57a-1/09 Scales

57a-1/10 Miscellaneous

57a-2/01 Box cameras

57a-2/02 Flat cameras

57a-3 Folding cameras

Cameras with devices for obtaining stereoscopic effects (picture measuring devices 42c-9)

57a-4/01 Double cameras for stereo pictures (viewing apparatus 42h-22; double cameras for view finding purposes 57a-9/04; for colour photography 57a-8/01)

57a-4/02 Cameras with one lens and mirror attachments

57a-4/03 Cameras with two lenses and mirror attachments

57a-4/05 Picture-taking devices for screen stereoscopy (57b-12/06)

57a-4/06 Cameras for photographic sculpture (57b-19)

57a-4/07 Processes and devices for copying stereoscopic pictures (chem. section 57b-18/04, 57b-18/06)

Reproduction cameras in general

57a-5/01 Reproduction cameras

57a-5/02 Reproduction cameras with automatic focusing

- 57a-5/03 Cameras for making composite, so-called superposed patterns, by projection (by contact copying 57c-11/01, 57c-11/02)
- 57a-5/04 Processes and devices for copying motion picture films by projection (copying of coloured motion picture films by projection 57a-8/05)
- 57a-5/05 Illumination devices for reproduction cameras
- 57a-5/06 Tripods for reproduction cameras
- 57a-5/07 Magazines for reproduction cameras
- 57a-5/08 Holding devices for originals
- 57a-5/09 Reproduction cameras with devices for image-distortion correction (photogrammetric processes 42c-10/02)
- 57a-5/10 Devices for screen and diaphragm adjustment in reproduction cameras
- 57a-5/20 Processes and devices for electro-optical copying of single and motion pictures (production of copying models for photomechanical reproduction 57d-1, 57d-3, 57d-10; television 21a1-32 – 21a1-35)

Panoramic cameras

- 57a-6/01 Panoramic cameras with fixed emulsion supports
- 57a-6/02 Panoramic cameras with movable emulsion supports

Cameras of special shape and for special purposes

- 57a-7/01 Cameras of special shape, secret cameras
- 57a-7/02 Cameras with mirror attachments
- 57a-7/03 Cameras for photographing the outer eye (photocystoscopes and the like 30a-1/03; photography of the eye fundus 42h-32/07)
- 57a-7/04 Cameras for microphotography
- 57a-7/05 Pinhole cameras
- 57a-7/06 Cameras for producing distortions (anamorphic lenses 42h-6/03)
- 57a-7/07 Cameras for aerial photography, e. g. from airplanes, balloons, kites, rockets and missiles (measuring devices on same 42c-10/01; finders 57a-9/06; devices for changing emulsion supports 57a-13, 57a-25/01)
- 57a-7/10 Devices for X-ray photography, nonelectrical (21g-19/01, 21g-19/02; measuring of X-ray photographs 42c-10/04)
- 57a-7/11 Equipment for X-ray stereoscopic photography (circuit diagrams for making X-ray photographs 21g-19/01; viewing and projection 42h-22, 42h-23; X-ray cinematography 57a-56)
- 57a-7/12 Mechanical equipment for adjusting or limiting exposure during X-ray photography (electrical exposure meters and limiters 21g-19/03)
- 57a-7/13 Diaphragms for X-ray photography (other types of X-ray diaphragms 30a-6/06; filters for X-ray tubes 21g-20/15)

Cameras for colour photography

- 57a-8/01 Cameras for colour photography in general
- 57a-8/02 Cameras with single lens and devices for beam splitting (optical systems for beam splitting 42h-6/01)
- 57a-8/03 Cameras with multiple lenses, also with devices for prevention of parallax (42h-6/01)
- 57a-8/04 Cameras for colour photography with aid of screens (colour screens and filter 57b-18/07)
- 57a-8/05 Processes and devices for copying colour films, especially screen films (chem. section 57b-18/04, 57b-18/06)

Finders

- 57a-9/01 Finders in general, mechanical section (finder lens systems 42h-6/10)
- 57a-9/02 Finders combined with bubble level or pendulum
- 57a-9/03 Finders combined with photometers
- 57a-9/04 Focusing finders, double cameras for finding purposes
- 57a-9/05 Range finders combined with photographic apparatus, adjustable range finders (range finders in general 42c-14 – 42c-23)

- 57a-9/06 Finders for aerial cameras
57a-9/10 Reflex cameras, non-collapsible
57a-9/11 Reflex cameras, collapsible
57a-9/12 Devices for speedy movement of ground glass screen, view sighting cameras
57a-9/13 Mirrors for viewing the focusing screen
- Miscellaneous elements and accessories for photographic cameras**
- 57a-10/01 Ground glass focusing screen arrangements (ground glass focusing mirrors 57a-9/13, 57a-22/10)
57a-10/02 Rear light screening flap, dark cloth
57a-10/03 Tripods for studio cameras and for special photographic purposes (tripods for general purposes, also for amateur photographic purposes 42c-1/01 – 42c-3/02; tripods for reproducing cameras 57a-5/06; for cinematographic apparatus 57a-59)
57a-10/04 Holders for filters, attachment lenses, light-screening devices on lenses
57a-10/05 Attachment of inclinometers and bubble levels on cameras (on finders 57a-9/02, levels in general 42c-24/01 – 42c-24/04; on aiming devices 42c- 6/01)
57a-10/06 Protective bags, carrying straps or the like
57a-10/07 Ventilation for cameras
57a-10/08 Devices for writing on the emulsion inside the camera
57a-10/09 Attachment to cameras and devices for limitation of field of vision (for roll film cameras 57a-22/01)
- Photographic magazines**
- 57a-11/01 Magazines in general (film roll holders and film cases 57a-22/03)
57a-11/02 Magazines for film packs
57a-11/03 Holders for plates, films or the like
57a-11/04 Indicating devices
57a-11/05 Locking arrangements
57a-11/06 Holders for grids, filters, or the like, in photographic cameras; also devices for picture series
- Repeating devices**
- 57a-12/01 Multiple cameras
57a-12/02 Multiple magazines
- Changing devices for plates and cut film**
- 57a-13 Changing devices with attachable magazines
57a-14/01 Single and double holders for plates and cut film
57a-14/02 Changeable holders for plates and cut film without reversing bar (with turning strip 57a-21/02)
57a-15 Changing devices with multiple magazines
57a-16 Changing devices with special changing spare
57a-17 Changing devices with pull-out magazines
57a-18 Changing devices with tilting plates
57a-19 Changing devices with horizontal magazines and means for raising the plates into position
57a-20 Miscellaneous changing devices: movable plate stacks, around which the plates are guided, plates with staggered tabs
57a-21/01 Changing devices for cut film exclusively, except for those in 57a-22/07
57a-21/02 Changing holders with turning strip for cut film, film packs (film pack magazines 57a-11/02)
57a-22/01 Roll film cameras, general arrangements
57a-22/03 Roll film magazines, film cases (magazines for motion picture cameras 57a-47)
57a-22/05 Film feeding devices with or without spring mechanism, also for aerial cameras
57a-22/07 Roll film cameras with cutting devices

- 57a-22/08 Marking and counting devices for roll film cameras
- 57a-22/09 Devices for keeping the film flat in roll film cameras
- 57a-22/10 Roll film cameras with ground glass focusing screen adjustment
- 57a-23/01 Spools for roll film cameras (spools for motion picture cameras 57a-47)
- 57a-23/02 Spool holders for roll film cameras
- 57a-24 Roll film and plate cameras
- 57a-25/01 Cameras with coupled drive for changing devices and shutters, series picture devices
- 57a-25/02 Signalling and locking devices for roll film cameras, to prevent double exposure and exposure omission

Photographic lens shutters

- 57a-26 Simple sliding or rotary shutters
- 57a-27 Simple roller blind shutters, curtain structures and aperture shapes, rollers and the like
- 57a-28 Roller blind shutters with adjustable aperture width
- 57a-29 Double sliding shutters; opposed, tandem, telescopic
- 57a-30 Sector shutters, diaphragms for photographic cameras
- 57a-31 Miscellaneous shutters
- 57a-32/01 Operating mechanism for shutters
- 57a-32/02 Retarding mechanisms for shutters
- 57a-32/03 Release of shutters: wire release, automatic release, flash bulb release, wire-pull release, electrical devices, etc., excluding those in 57a-32/04
- 57a-32/04 Shutters with delayed action mechanism
- 57a-32/05 Shutters with exposure tables, exposure meters and automatic exposure regulators
- 57a-32/06 Shutter cases, counters, safety devices and other details of lens shutters, excluding those in 57a-25/02

Cinematography

- 57a-33 Devices for intermittent movement of films (Geneva movements as machine element 47h-4, 47h-5; double apparatus 57a-45)
- Devices for compensation for picture shifts in moving films
- 57a-34/01 with optical compensation (optical systems 42h-5)
- 57a-34/02 with mechanical compensation
- 57a-35 Cinematographs with pictures on plates or drums
- 57a-36 Cinematographs with book-leaf type pictures, mutoscopes (as observation instruments 42h-37)
- Stereoscopic cinematography (optical systems 42h-22)
- 57a-37/01 with three-dimensional parallax picture groups
- 57a-37/02 with other means for production of stereoscopic effects
- 57a-38 Colour motion pictures (colour photography 42h-23/13, 57a-8; films with lenticular screens (442h-6/04, 57b-18)
- 57a-39 Drives and drive parts for motion picture taking and reproduction apparatus, structures and housings
- 57a-40 Film gates and film loop formers
- 57a-41 Adjustment of film in film gate
- 57a-42 Film guides, intermittent feed rollers
- 57a-43 Arrangement of optical equipment, e. g. lenses, finders, focusing devices, exposure meters, iris diaphragms in cinematographic apparatus (optical systems 42h-1, 42h-5; lamps with mirrors or condensers 57a-58/01)
- Shutters**
- 57a-44/01 Revolving shutters
- 57a-44/02 Other shutters, exposure interruption
- 57a-45 Devices to prevent flickering, double apparatus

- Films (sound films 42h-23/05, 42h-23/06; 57a-64 – 57a-72; 57b-2)
- 57a-46/01 Film structure and size, edge reinforcements
- 57a-46/02 Guides and markings on film, devices for applying same perforation
- Film holders for motion picture apparatus (film cabinets 57a-52/03)
- 57a-47/01 Magazines for unexposed films
- 57a-47/02 Drums and spools for finished films
- 57a-48 Devices for rewinding and measuring films (cleaning 57c-13/04)
- 57a-49 Devices for preventing rewinding, external winding devices, extraction from inside, endless films (in advertising devices 54g-5, 54g-10)
- 57a-51 Devices for stopping films, also in target cinematographs (72e-2/04; with coin insertion 43b-41/04)
- Fire protection**
- 57a-52/01 Devices for preventing burning of films
- 57a-52/02 Devices for extinguishing burning films
- 57a-52/03 Fireproof storing of films
- 57a-53 Devices and processes for combination, trick and quick motion photographing (slow motion devices 57a-61; photochemical section 57b-13/03; trick sound films 57a-71)
- 57a-54 Equipment for title and text photography or reproduction (copying 57c-11/03)
- 57a-55 Equipment for panoramic photography or reproduction (tripods for same 57a-59, 57a-10/03; 42c-1 – 42c-13)
- 57a-56 Equipment for X-ray cinematography (X-ray tubes 21g-17)
- 57a-57 Motion picture shows combined with other types of performances (with sound 57a-64 – 57a-72)
- Projection lamps for cinematographs (projection lamps, general 42h-23/04; for colour motion pictures 57a-38)
- 57a-58/01 with condenser or mirror
- 57a-58/02 with devices for lighting large slides
- 57a-59 Equipment attached to tripods and tables for use in association with camera or projector apparatus (tripod and tripod heads, general 42c-1 – 42c-3; 57a-10/03)
- 57a-60 Portable motion picture equipment with case (portable sound film sets; 57a-64 – 57a-72; portable phonographs 42g-26/02)
- 57a-61 Special equipment for taking and displaying motion pictures, e. g. slow motion apparatus, uninterrupted showing, miniature motion picture apparatus, special equipment of projection rooms (remote cinematography 21a1-12 – 21a1-35; projection screens 42h-23/27 – 42h-23/29; for sound film 57a-71/01)
- 57a-62 Cameras with laboratory
- 57a-63 Automatic cameras
- Pictures combined with sound [sound film]**
- 57a-64 Combined motion picture and phonograph
- 57a-65 Individual connection and disconnection of instruments, contact devices operated by films or phonograph
- 57a-66 Means for synchronised drive and for resynchronisation of picture and sound media (21a1-35)
- 57a-67 Controls for synchronisation, or turning of picture and sound
- 57a-68 Combination of cinematograph and sound apparatus for combined picture and sound media
- 57a-69 Means for moving common picture sound media (tape-type sound media 42g-18)
- 57a-70 Production and transmission of non-recorded sounds to accompany motion picture shows
- 57a-71/01 Processes and auxiliary devices for the making, reproduction, duplication and aftertreatment of picture and sound recordings, timing devices, post synchronisation, marking, cutting, splicing (sound recording without pictures 42g-7 – 42g-13; marking

57a-46/02; splicing, cutting of picture films 57c-13), stereoscopic sound motion picture films (stereoscopic cinematography 57a-37), trick sound motion picture films (trick photography 57a-53)

57a-71/02 Structure of picture section (structure of sound section 42g)

57a-72 Picture showing devices, mutoscopes and the like combined with sound reproduction apparatus (mutoscopes, viewing instruments 57a-36)

57b Photographic processes, blueprints, photosensitive plates and papers, colour photography, X-ray photography and photosculpture

Photographic plates, films and papers

57b-1 Transparent supports for photosensitive coatings, except those in 57b-2/01 – 57b-3 (manufacture of films used exclusively as photosensitive coating supports 39b-12/01 – 39b-12/02; production of films from celluloid 39a-16, 39a3-7/00)

57b-2/01 Roll films, protective leaders

57b-2/02 Packing material for photographic plates, films, and papers (cans and magazines 57c-6; 57a-47)

57b-3 Stripping films and papers

57b-4 Anti-halo means for photographic plates and films

57b-5/01 Photographs, especially positives, upon supports other than paper

57b-5/02 Photographs, especially positives, upon special papers

57b-6/01 Application of photosensitive coatings (devices for this purpose 57c-5)

57b-6/02 Removal of coatings and recovering of emulsions or silver

57b-7 Plates for drawing negatives (engraving plates) for photographic purposes and hand-painted patterns for copying (manufacture of copying patterns for photomechanical reproduction 57d-1/01)

57b-8/01 Light-sensitive coatings and emulsions containing silver salts for treatment of negatives, also coatings without special supports (colour photography emulsions 57b-18/11)

57b-8/02 Additives for these emulsions, to increase sensitivity, hardening, dullness, preservation, prevention of haze, etc. apart from those in 57b-8/05 – 57b-8/06 (additives to colour photography coatings 57b-18/11 – 57b-18/13)

57b-8/05 Developer plates

57b-8/06 X-ray emulsions (X-ray photography devices 57a-7; 21g-19)

57b-9 Photosensitive coatings containing noble-metal salts for the positive process, also self-toning papers

57b-10 Photosensitive coatings, containing various substances not covered by 57b-8, 57b-9, 57b-11, 57b-12/05 and 57b-15

57b-11 Blueprint papers

Photographic processes

57b-12/01 Complete processes

57b-12/02 Sensitometry (photometers 42h; devices for sensitometry and for determination of density of negatives 57c-4)

57b-12/03 Exposure processes (photographic devices 57a)

57b-12/04 Cinematographic processes (combined with special devices 57a), photographic sound recording (42g)

57b-12/05 Diazotype

57b-12/06 Parallax stereograms

57b-12/07 Fluorescent screens (21f-83/03; 21g-13/25; 21g-19/01; 21g-21)

57b-12/08 X-ray photography (X-ray photography devices 57a-7, 21g-19)

57b-13/01 All-purpose developers (developing devices 57c-7, 57c-8; colour developers and colour developing processes, including aftertreatment of colour pictures 57b-18/13)

57b-13/02 Copying (copying devices 57a-5, 57c-10, 57c-11)

57b-13/03	Combination pictures (devices and processes for cinematographic combinations 57a-53)
57b-13/04	Fixing
57b-13/05	Softening and intensifying
57b-14/01	Chemical modification of photographic pictures by toning, in general
57b-14/02	Photographic contact processes, such as ozotype and catatype, mordant colour pictures
57b-14/03	Picture inversion
57b-15	Photochromatography, e. g. pinatype, bromoil printing (57d-9; woodburytype 57b-20)
57b-16	Photographic vitreous colour pictures
57b-17/01	Marking and identification of photographs
57b-17/02	Retouching (devices for retouching 57c-13)
57b-17/03	Smoothing and roughening (glazing machines 57c-12)
57b-17/04	Mounting and fastening
57b-17/05	Protective and transparent coatings
57b-17/06	Ornamentation, e. g. fine art effect
57b-17/07	Drying (drying devices 57c-9)
57b-17/08	Colouring (colouring devices 57c-13)
	Colour photography
57b-18/01	Photographic bleaching processes
57b-18/02	Multilayer plates and films, multiple packs (cameras for colour photography 57a-8)
57b-18/03	Structure and chemical treatment of coating supports for colour decomposition and formation by interference and dispersion (cameras for this purpose 57a-8/01)
57b-18/04	Structure and chemical treatment of colour screen coating supports for exposure, reproduction and copying (cameras 57a-8/04, 57a-38; copying 57a-8/05)
57b-18/05	Production of colour screens
57b-18/06	Chemical treatment of lenticular screen emulsion carriers for exposure, reproduction and copying (exposure devices 7a-8/04, 57a-38; copying 57a-8/05)
57b-18/07	Colour filters (filter holders 57a, 1004)
57b-18/08	Several superimposed partial colour pictures, subtractive colour photography
57b-18/09	Colouring and chemical treatment of films for colour cinematographic processes (equipment for colour cinematography 57a-38; 42h-23)
57b-18/10	Colouring, and chemical treatment of picture supports for anaglyphs (cameras for anaglyphs 57a-4/01, anaglyphs for motion pictures 57a-37/01)
57b-18/11	Emulsion for colour photography (ordinary emulsion 57b-8/01)
57b-18/12	Colour formers
57b-18/13	Colour developers and colour developing processes, including aftertreatment of colour pictures (ordinary developing processes 57b-13/01)
57b-19	Photographic sculpture (photogrammetric processes and devices 42c-10/04; 57a-4/06)
57b-20	Photographic bas reliefs: lithophany, woodburytype
57b	(IPC: G03C) Photosensitive compositions or bases carrying them; Photographic processes, e.g. cine, x-ray, colour, stereo-photographic processes; Auxiliary processes in photography (electrography, electrophotography, magnetography 57e)
57b-1/00	Photosensitive compositions, e.g. emulsions; Base materials carrying them (photosensitive materials for multicolour processes 57b-7/00; photosensitive glass 32b-3/26)
57b-1/02	. with silver salts as the only photosensitive material
57b-1/04	. . containing special layer-forming substances
57b-1/06	. . containing additives
57b-1/08	. . . Photosensitivity-increasing substances

- 57b-1/10 Organic substances
- 57b-1/12 Methine and polymethine dyes
- 57b-1/14 with an odd number of CH groups
- 57b-1/16 with one CH group
- 57b-1/18 with three CH groups
- 57b-1/20 with more than three CH groups
- 57b-1/22 with an even number of CH groups
- 57b-1/24 Styryl dyes
- 57b-1/26 Polymethine chain forming part of a heterocyclic ring
- 57b-1/28 together with supersensitising substances
- 57b-1/30 hardeners
- 57b-1/32 matting agents
- 57b-1/34 fog-inhibitors
- 57b-1/36 desensitisers
- 57b-1/38 agents to facilitate spreading
- 57b-1/40 dyestuffs not otherwise covered in 57b-1/08 to 57b-1/44 inclusive
- 57b-1/42 developers
- 57b-1/44 precious-metal toning salts
- 57b-1/46 having more than one photosensitive layer
- 57b-1/48 Photosensitive material carrying developer separately from the photosensitive layer
- 57b-1/50 with precious-metal salts, other than silver salts, as photosensitive material
- 57b-1/52 with diazo compounds as photosensitive material (57b-1/64 takes precedence)
- 57b-1/54 diazonium salts or diazo anhydrides
- 57b-1/56 diazo sulphonates
- 57b-1/58 with special coupling substances
- 57b-1/60 with additives
- 57b-1/62 metal compounds reducible to metal
- 57b-1/64 with iron compounds, with or without other photosensitive compounds, as photosensitive material
- 57b-1/66 with chromates
- 57b-1/68 with photo-polymerisable substances
- 57b-1/70 containing nitrogen
- 57b-1/72 Other photosensitive compositions
- 57b-1/74 Applying photosensitive layers to base materials (coating processes, devices, or machines for photomechanical printing surfaces 57d)
- 57b-1/76 Photosensitive materials characterised by the base
- 57b-1/78 Transparent bases
- 57b-1/80 Bases carrying subbing layers
- 57b-1/82 Antistatic bases
- 57b-1/84 having anti-halation or colour-filtering means
- 57b-1/86 Non-transparent paper bases
- 57b-1/88 Bases having anti-coiling means
- 57b-1/90 Bases with stripping layers
- 57b-1/92 Bases with fluorescent layers
- 57b-1/94 Metal bases
- 57b-3/00 Packages of films for inserting into cameras, e.g. roll-films, film-packs; Wrapping materials for light-sensitive plates, films, or papers, e.g. materials characterised by the use of special dyes, printing inks, adhesives (wrapping materials in general 81c)**
- 57b-3/02 Photographic roll-films with paper strips
- 57b-5/00 Photographic processes (multicolour processes 57b-7/00; stereo-photographic processes 57b-9/00)**
- 57b-5/02 Sensitometric processes, e.g. determining sensitivity, colour sensitivity, gradation, graininess, density; Making sensitometric wedges
- 57b-5/04 Photo-taking processes
- 57b-5/06 Travelling-mask processes
- 57b-5/08 Photoprinting
- 57b-5/10 Reflex-printing

57b-5/12	. Cinematographic processes of taking pictures or printing
57b-5/14	. . combined with sound-recording (sound-recording in general 42g)
57b-5/16	. X-ray, infra-red, or ultra-violet ray processes
57b-5/18	. Diazotypy processes
57b-5/20	. . Reflex-printing
57b-5/22	. Direct chromate processes, i.e. without preceding silver picture
57b-5/24	. Developing processes; Developers (direct chromate processes 5/22)
57b-5/26	. . for silver layers
57b-5/28	. . . Cinematographic-film processes
57b-5/30	. . . Developers
57b-5/32	. . . Latensification; Desensitisation
57b-5/34	. . for diazotypy layers (57b-1/58 takes precedence)
57b-5/36	. Hardening (direct chromate processes 57b-5/22)
57b-5/38	. Fixing; Developing-fixing; Hardening-fixing; Bleach-fixing
57b-5/40	. Chemical transforming of photographic images (57b-5/50 takes precedence)
57b-5/42	. . Reducing; Intensifying
57b-5/44	. . Bleaching
57b-5/46	. . Toning
57b-5/48	. . Mordanting
57b-5/50	. Reversal processes
57b-5/52	. . Silver dye-bleaching processes
57b-5/54	. . Diffusion transfer processes
57b-5/55	. . . Silver salt diffusion processes
57b-5/56	. . . Other contact processes, e.g. ozotypy, indirect chromate methods
57b-7/00	Multicolour photographic processes; Photosensitive material for multicolour processes
57b-7/02	. Bleaching-out processes (reversal processes 57b-5/50)
57b-7/04	. Preparing or chemical treatment of bases with colour screens
57b-7/06	. . Manufacture of colour screens
57b-7/08	. . . from diversely-coloured grains irregularly distributed
57b-7/10	. . . with regular areas of colour, e.g. bands, lines, dots
57b-7/12 by photo-exposure
57b-7/14	. Preparing or chemical treatment of bases with lenticular screens
57b-7/16	. Preparing or chemical treatment of bases with superposed colour components for subtractive colour photography
57b-7/18	. . Special processes for correction of the colour image in subtractive colour photography
57b-7/20	. . Multilayer plates or films
57b-7/22	. Colouring or chemical treatment of film for colour cinematography
57b-7/24	. . combined with sound-recording (sound-recording in general 42g)
57b-7/26	. Emulsions for colour photography
57b-7/28	. . containing compounds which are bleached out by exposure
57b-7/30	. Colour developing; Developers
57b-7/32	. Colour-coupling substances
57b-7/34	. . with phenols
57b-7/36	. . with compounds containing active methylene groups
57b-7/38	. . . in the ring of a cyclic compound
57b-7/39	. Bleach-fixing
57b-7/40	. After-treatment of the colour image
57b-9/00	Stereo-photographic or similar processes
57b-9/02	. parallax-stereogram
57b-9/04	. vectographic-image
57b-9/06	. anaglyph
57b-9/08	. producing three-dimensional images
57b-11/00	Auxiliary processes in photography (characterised by apparatus used 57c)
57b-11/02	. Marking or applying of text
57b-11/04	. Retouching
57b-11/06	. Smoothing; Renovating; Roughening; Matting

57b-11/08	. Varnishing photographs
57b-11/10	. . for protection from ultra-violet light
57b-11/12	. Stripping or transferring intact photographic layers
57b-11/14	. Pasting; Mounting
57b-11/16	. Drying
57b-11/18	. Colouring
57b-11/20	. . with powdered or molten colours
57b-11/22	. Preparing plates or films for the manufacture of photographic negatives by non-photographic processes
57b-11/24	. Removing emulsion from waste photographic material

57c **Devices and machines, dark rooms**

57c-1	Photographic studio arrangement and equipment
57c-2	Illuminating devices for photographic purposes
57c-3	Flash lamp devices with production of light by means of magnesium, gas, electric current etc., also for non-photographic purposes
57c-4	Devices for determination of density of negatives and of the sensitivity of photographic emulsions
57c-5	Devices for coating photographic plates, films and papers with sensitive emulsions (57b-6/01)
57c-6/01	Devices for storing and shipping plates and films (57a-11/01), stands and frames for plates and films
57c-6/02	Numbering devices (writing inside camera 57a-10/08)
57c-6/03	Devices for production of lenticular screens
57c-7/01	Devices for developing photographic plates and the like, developing magazines (57a-11/01), thermometers
57c-7/02	Rocking devices
57c-8/01	Continuous-operation film developing devices
57c-8/02	Hand apparatus for film developing
57c-9/01	Washing apparatus for plates and the like
57c-9/02	Drying devices for plates and the like (57c-12)
57c-10/01	Photographic printing frames
57c-10/02	Fast printing apparatus
57c-10/03	Cylindrical printing apparatus
57c-10/04	Masks
57c-11/01	Flat copying machines for multiple copying
57c-11/02	Rotary copying machines for multiple copying, also with attached developing devices (printing devices 57a-5)
57c-11/03	Copying machines for films
57c-11/04	Control of illumination
57c-12	Devices for production of high gloss on photographic paper (55e-1/01; 57b-17/03)
57c-13/01	Retouching devices
57c-13/02	Devices for colouring photographic emulsion supports
57c-13/03	Devices for cutting photographs (11b-11)
57c-13/04	Devices for cleaning films
57c-13/05	Devices for testing films
57c-13/06	Devices for cutting and splicing films
57c-13/07	Frames, covers (34f-2/01)
57c-14/01	Photographic dark rooms
57c-14/02	Lamps and other devices for photographic dark rooms

57d **Photomechanical reproduction (etching apparatus 48d-1; 48d1-1/00)**

Production of special original and copies

57d-1/01	Making of copies, in general
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- 57d-1/02 Photomechanical type, photocomposing machines (typesetting machines 15a; typewriters 15g)
- 57d-1/03 Copying patterns for printing sheet music
- 57d-1/04 Making of original by painting, drawing or etching
- 57d-1/05 Copying patterns by means of reflex copy (reflex copy 15b-13/02)
- 57d-1/06 Special carriers of originals for copying patterns
- 57d-1/07 Reproduction of natural patterns for embossed, cryptographic, security paper, and card printing
- Photomechanical production of printing plates** (mechanical production of printing plates 15b-1)
- 57d-2/01 Image layer as relief, planographic or photogravure printing plate, e. g. collotype
- 57d-2/02 Making of printing forms by embossing the picture layer
- 57d-2/03 Making of printing forms by washing unexposed places (printing plates for stencil printing 15b-4; photomechanically manufactured stencils 75c-26)
- 57d-2/04 Making of printing plates inside the camera
- 57d-3/01 Making of multicolour printing plates (15b; 13; 57b-18) by subjective colour analysis
- 57d-3/02 Making of multicolour printing forms by photomechanical colour analysis
- 57d-3/03 Mounting of partial plates
- 57d-4 Making of printing plates for special design effects, e. g. for printing geographical maps (15b-4; 57d-1/07)
- 57d-5/01 Making of printing plates upon non-planar plates, especially on cylinders (15b-5; 15c-5)
- 57d-5/02 Justifications, especially for making carbon transfers
- 57d-6 Production of printing grain for printing plates in general, e. g. for autotype, photolithographic halftone printing (57d-7; 15b-6)
- 57d-7 Production of printing grain by diaphragm or screen effect modifications, combination of several screens, retouching screen elements, enlargements
- 57d-8/01 Diaphragms for photomechanical reproduction
- 57d-8/02 Screens for photomechanical reproduction
- 57d-9 Photomechanical printing processes, such as absorption printing by means of colloid emulsion, catatype and the like (15k; 57b-14)
- 57d-10 Making of printing plates by photoelectric transmission of pictures and the like (telephotographic transmission of pictures 21a1-31, 21a1-32, 21a2-32; electrical printing 15k-7)

57e (IPC: G03G) Electrography; Electrophotography; Magnetography (electrostatic and thermographic copying and printing methods 15k-7/05; recording by means of cathode ray tubes, e.g. of television signals by means of thermoplastic deformation 21a1-32; recording of information 42t2)

Note:

This subclass deals with the production of permanent directly-visible pictures in conformity with an original picture or document, using an imagewise distribution of an electric or magnetic quantity, such as a charge pattern, an electric conductivity pattern, or a magnetic pattern

- 57e-5/00 Recording-members for original recording by exposure e.g. to light, to heat, to electrons; Manufacture thereof; Selection of materials therefor** (recording surfaces for measuring apparatus 55f-16; photosensitive compositions 57b)
- 57e-5/02 . Charge-receiving layers
- 57e-5/04 . . Photoconductive layers; Bonding thereof
- 57e-5/06 . . . the photoconductive material being organic
- 57e-5/08 . . . the photoconductive material being inorganic and incorporated in an organic bonding material

57e-5/10	. Carriers for charge-receiving or other layers
57e-7/00	Selection of materials for use in image-receiving members, i.e. for reversal by physical contact; Manufacture thereof (photosensitive compositions 57b)
57e-9/00	Selection of substances for use as developers
57e-9/02	. the developer being solid
57e-9/04	. the developer being liquid, e.g. aerosol
57e-9/06	. the developer being electrolytic
57e-11/00	Selection of substances for use as fixing agents
57e-13/00	Electrographic processes using a charge pattern
57e-13/02	. Sensitising, i.e. laying-down a uniform charge
57e-13/04	. Exposing, i.e. transmitting the information given by the original image to the recording material
57e-13/06	. Developing
57e-13/08	. . using a solid developer, e.g. powder developer
57e-13/10	. . using a liquid developer
57e-13/12	. Warming
57e-13/14	. Transferring a pattern to a second base
57e-13/16	. . of a toner pattern, e.g. a powder pattern
57e-13/18	. . of a charge pattern
57e-13/20	. Fixing
57e-13/21	. . by heating
57e-13/22	. Processes involving the combination of more than one step according to groups 57e-13/02 to 57e-13/20
57e-15/00	Apparatus for electrographic processes using a charge pattern

Note:

This group also deals with processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group.

57e-15/02	. for sensitising, i.e. laying-down a uniform charge
57e-15/04	. for exposing, i.e. transmitting the information given by the original image to the recording material
57e-15/06	. for developing
57e-15/08	. . using a solid developer, e.g. powder developer
57e-15/10	. . using a liquid developer
57e-15/12	. for warming
57e-15/14	. for transferring a pattern to a second base
57e-15/16	. . of a toner pattern, e.g. a powder pattern
57e-15/18	. . of a charge pattern
57e-15/20	. for fixing
57e-15/22	. involving the combination of more than one step according to groups 57e-13/02 to 57e-13/20
57e-17/00	Electrographic processes using patterns other than charge patterns; Apparatus essentially involving a single such process
57e-17/02	. with electrolytic development
57e-19/00	Processes using magnetic patterns; Apparatus therefor