SECTION G — PHYSICS

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

Note(s)

- This class does not cover reproduction of pictures or patterns by scanning and converting into electrical signals, which is covered by subclass H04N.
- 2. In this class, the following terms are used with the meaning indicated:
 - "records" means photographs or any other kind of latent, directly-visible or permanent storage of pictorial information, which consist of an imagewise distribution of a quantity, e.g. an electric charge pattern, recorded on a carrier member;
 - "optical" applies not only to visible light but also to ultra-violet or infra-red radiations.

APPARATUS OR ARRANGEMENTS FOR TAKING PHOTOGRAPHS OR FOR PROJECTING OR VIEWING THEM; APPARATUS OR ARRANGEMENTS EMPLOYING ANALOGOUS TECHNIQUES USING WAVES OTHER THAN OPTICAL WAVES; ACCESSORIES THEREFOR (optical parts of such apparatus G02B; photosensitive materials or processes for photographic purposes G03C; apparatus for processing exposed photographic materials G03D) [4]

Note(s)

This subclass <u>covers</u>, as far as processes are concerned, only processes characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this subclass.

Subclass index

DETAILS Common to at least two of cameras, projectors and printers Common to cameras only	1/00-5/00
exposure, control thereof	7/00, 9/00
viewfinders, focusing aids	
filters; constructional details, accessories	
special procedures for taking photographs	15/00
Common to projectors only	21/00, 23/00
Common to printers only	27/00
APPARATUS	
Cameras	19/00
Projectors, viewers; devices for changing pictures	21/00, 25/00, 23/00
Printing apparatus	27/00
Combinations with other apparatus	29/00
SPECIAL TECHNIQUES	
Associated working with sound apparatus	31/00
Colour photography; stereoscopic photography; panoramic photography; high-speed photography	33/00, 35/00, 37/00, 39/00
Other techniques	41/00
Using waves other than optical waves, visualisation	42/00
TESTING	

<u>Details common to at least two of the following types of apparatus: cameras, projectors, printers</u>

- 1/00 Film-strip handling of general interest for cameras, projectors or printers
- 1/02 Moving film strip by pull on end thereof
- 1/04 • Pull exerted by take-up spool
- 1/06 • rotated by lever-operated ratchet and pawl
- 1/08 • rotated by band, chain, rack, or other linear reciprocating operation

- 1/10 • rotated by knob through gearing
- 1/12 • rotated by motor, e.g. spring
 - 1/14 Special arrangements to ensure constant length of movement of film
- 1/16 • by film-arresting pins
- 1/18 Moving film strip by means which act on the film between the ends thereof
- 1/20 • Acting means
- 1/22 • Claws or pins engaging holes in the film
- 1/24 • Sprockets engaging holes in the film

- 1/26 • Spiked wheels or pins not penetrating the film
- 1/28 • Shuttle feed
- 1/30 • Belt feed
- 1/32 • Friction grippers or rollers
- 1/34 • Beaters
- 1/36 • Pneumatic acting means
- 1/38 • embodying Geneva motion, e.g. Maltese-cross gearing
- 1/40 embodying frictional coupling or clutches
- 1/42 Guiding, framing, or constraining film in desired position relative to lens system
- 1/44 • Guides engaging edge of film (gates G03B 1/48)
- 1/46 Rollers engaging face of film, e.g. barrel, waisted, conical (gates G03B 1/48)
- 1/48 • Gates or pressure devices, e.g. plate
- 1/50 • adjustable or interchangeable, e.g. for different film widths
- 1/52 • Pneumatic pressure devices
- 1/54 Tensioning or loop-maintaining devices
- 1/56 Threading; Loop forming
- 1/58 • automatic
- Measuring or indicating length of the used or unused film; Counting number of exposures (measuring length in general G01B)
- 1/62 involving locking or stop-motion devices
- by means which ascertain the radius of the film coiled on a spool
- 1/66 Counting number of exposures (counting mechanisms <u>per se</u> G06M)
- 3/00 Focusing arrangements of general interest for cameras, projectors or printers (focusing means, autofocus systems for cameras G03B 13/00; means for automatic focusing of projectors G03B 21/53; means for automatic focusing of projection-printing apparatus or copying cameras G03B 27/34, G03F)
- 3/02 moving lens along baseboard
- adjusting position of image plane without moving lens
- 3/06 using movable reflectors to alter length of lightpath
- 3/10 Power-operated focusing
- 3/12 adapted for remote control (control systems in general G05)
- 5/00 Adjustment of optical system relative to image or object surface other than for focusing of general interest for cameras, projectors or printers
- 5/02 Lateral adjustment of lens
- 5/04 Vertical adjustment of lens; Rising fronts
- 5/06 Swinging lens about normal to the optical axis
- 5/08 Swing backs

Details common to cameras

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- 7/00 Control of exposure by setting shutters, diaphragms or filters, separately or conjointly (control of exposure in television cameras by means of circuitry for compensating for variation in the brightness of the object H04N 5/235) [1, 2014.01]
- 7/01 with selection of either manual or automatic mode [2014.01]
- Control effected by setting a graduated member on the camera in accordance with indication or reading afforded by a light meter, which may be either separate from, or built into, camera body

- Control effected by hand adjustment of a member that senses indication of a pointer of a built-in lightsensitive device, e.g. by restoring pointer to a fixed associated reference mark
- 7/06 • by a follow-up movement of an associated reference mark to the pointer
- Control effected solely on the basis of the response, to the intensity of the light received by the camera, of a built-in light-sensitive device [1, 2014.01]
- 7/0805 • Setting of priority modes **[2014.01]**
- 7/081 • Analogue circuits [3]
- 7/083 • for control of exposure time [3]
- 7/085 • for control of aperture **[3]**
- 7/087 • for control of both exposure time and aperture [3]
- 7/089 • for storage of exposure value in mirror reflex cameras [3]
- 7/091 • Digital circuits [3]
- 7/093 • for control of exposure time [3]
- 7/095 • for control of aperture **[3]**
- 7/097 • for control of both exposure time and aperture [3]
- 7/099 Arrangement of photoelectric elements in or on the camera [3, 2014.01]
- 7/0993 • in the camera [2014.01]
- 7/0997 • • Through the lens [TTL] measuring **[2014.01]**
- 7/10 a servo-motor providing energy to move the setting member
- a hand-actuated member moved from one position to another providing the energy to move the setting member, e.g. depression of shutter release button causes a stepped feeler to co-operate with the pointer of the light-sensitive device to set the diaphragm and thereafter release the shutter
- 7/14 • setting of both shutter and diaphragm aperture being effected so as to give the optimum compromise between depth of field and shortness of exposure
- in accordance with both the intensity of the flash source and the distance of the flash source from the object, e.g. in accordance with the "guide number" of the flash bulb and the focusing of the camera [1, 2014.01]
- 7/17 Selection of modes in flash units by exposure control arrangements [2014.01]
- in accordance with light-reducing "factor" of filter or other obturator used with or on the lens of the camera
- 7/20 in accordance with change of lens
- 7/22 in accordance with temperature or height, e.g. in
- automatically in accordance with markings or other means indicating film speed or kind of film on the magazine to be inserted in the camera [3]
- Power supplies; Circuitry or arrangement to switch on the power source; Circuitry to check the power source voltage [3]
- Circuitry to measure or to take account of the object contrast [3]
- 7/30 Safety arrangements for control of exposure [2014.01]

9/00 Exposure-making shutters; Diaphragms

- 9/02 Diaphragms [2]
- 9/04
 Single movable plate with two or more apertures of graded size, e.g. sliding plate, pivoting plate

9/06	•	•	Two or more co-operating pivoted blades e.g. iris type (shutters functioning as diaphragms by limiting extent of opening movement G03B 9/08)	13/00	fo (h	C L	wfinders; Focusing aids for cameras; Means for using for cameras; Autofocus systems for camera ods, caps G03B 11/04; reflex camera arrangements
9/07	•	•	with means for presetting the diaphragm		G(03	BB 19/12, G03B 19/14; rangefinders <u>per se</u>
9/08		S	hutters (electro-, magneto-, or acousto-optical nutters G02F 1/00) [2]		G(sy	01 ⁄st	.C 3/00; automatic focusing in general G02B 7/09; ems for automatic generation of focusing signals
9/10	•		Blade or disc rotating or pivoting about axis		G(02	2B 7/28) [5]
			normal to its plane	13/02	•	7	/iewfinders
9/12			Two relatively-adjustable aperture-defining	13/04	•	•	of direct-vision type, e.g. frame, sighting mark
57 1 2			members moving as a unit	13/06			with lenses with or without reflectors
9/14			Two separate members moving in opposite	13/08			 with reflected image of frame
3/14	-	-	directions	13/10			adjusting viewfinder field
0/16	_	_					· ·
9/16		•	direction	13/12			to compensate for change of camera lens or size of picture
9/18	•		More than two members	13/14			 to compensate for parallax due to short range
9/20	•	•	 each moving in a single direction first to 	13/16	•	•	combined with focusing aids
			open and then to reclose	13/18	•	F	Focusing aids
9/22	•	•	 each moving in one direction to open and then in opposite direction to close, e.g. iris type 	13/20	•	•	Rangefinders coupled with focusing arrangements e.g. adjustment of rangefinder automatically focusing camera
9/24	•	•	 Adjusting size of aperture formed by members 	13/22			 coupling providing for compensation upon
			when fully open so as to constitute a virtual	15/22			change of camera lens
			diaphragm that is adjustable	13/24			Focusing screens
9/26			 incorporating cover blade or blades 				9
9/28			Roller blind or flexible plate	13/26	٠	٠	with magnifiers for inspecting image formed o
9/30			Single blind with multiple slots or other	12/20			screen
9/30	٠	٠		13/28			Image-splitting devices
0/22			aperture	13/30			indicating depth of field [5]
9/32	•		Double blind	13/32	•	N	Means for focusing [5]
9/34	•	•	with adjustable slot; with mechanism	13/34	•	•	Power focusing [5]
			controlling relative movement of blinds to form slot	13/36	•	•	Autofocus systems [5]
9/36			Sliding rigid plate	15/00	Sr	na	cial procedures for taking photographs;
9/38			Single rigid plate with multiple slots or other	15/00			Daratus therefor
3730			apertures	15/02			
9/40			Double plate	15/02			lluminating scene
	Ĭ		-	15/03	•	•	Combinations of cameras with lighting apparatus;
9/42	•	•	 with adjustable slot; with mechanism controlling relative movement of plates to form slot 	15/035	•	•	Flash units • Combinations of cameras with incandescent lamps
9/44	•	•	Curved track and plate	15/04			Combinations of cameras with non-electronic
9/46			Flap shutters pivoting about axis in plane of flap	15/01			flash apparatus; Non-electronic flash units
9/48			Double flap				(light sources using a charge of combustible
9/50			Louvre type				material F21K 5/00; ignition circuits
9/52			Barrel shutters				H05B 43/02)
		•		15/05			 Combinations of cameras with electronic flash
9/54			Conical shutters; Rotating plate with axis of rotation inclined to optical axis of shutter	13, 00			apparatus; Electronic flash units (discharge lamps per se H01J; circuit arrangements
9/58	•	N	leans for varying duration of "open" period of				H05B 41/00)
		sl	nutter	15/06			
9/60	•	•	by varying speed of movement of obturating members		•		reflecting devices, e.g. in studio
9/62	•	•	by varying interval of time between end of	15/07			Arrangements of lamps in studios
			opening movement and beginning of closing	15/08			Frick photography
			movement	15/10	•	•	using back-projection, i.e. blending artificial
9/64		Ν	Iechanism for delaying opening of shutter (separate				background with real foreground
			om shutter G03B 17/38)	15/12	•	•	using mirrors
9/66			leans for cocking shutter separate from means for	15/14	•	f	or taking photographs during medical operations
			leasing shutter	15/16	•	f	or photographing the track of moving objects (high-
9/68			Cocking effected by movement of film				peed photography G03B 39/00; recording tracks of
9/70			ith flash-synchronising contacts			n	nuclear particles G01T 5/00)
11 /00	T	;]+-	are an other abturators engalably adopted for	17/00	De	et	ails of cameras or camera bodies; Accessories
11/00			ers or other obturators specially adapted for tographic purposes (filters <u>per se</u> G02B)				refor (lens hoods or caps G03B 11/04)
11/02				17/02			Bodies
11/02			ky masks	17/04			collapsible, foldable, or extensible, e.g. book type
11/04	•		oods or caps for eliminating unwanted light from enses, viewfinders, or focusing aids	1,,04			(bellows for instruments in general G12B)
11/06	•		Lens caps for exposure making	17/06	•	•	

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17/08 • • Waterproof bodies or housings

17/10	 Soundproof bodies 	19/14 • • with paired lenses, one of which forms image on
17/12	 with means for supporting objectives, 	photographic material and the other forms a
	supplementary lenses, filters, masks, or turrets	corresponding image on a focusing screen
17/14	• • • interchangeably	19/16 • • Pin-hole cameras
17/16	 for containing both motion-picture camera and 	19/18 • Motion-picture cameras (with non-intermittently
	still-picture camera	running film G03B 41/02)
17/17	 with reflectors arranged in beam forming the 	19/20 • • Reflex cameras
	photographic image, e.g. for reducing dimensions	19/22 • • Double cameras
45/40	of camera	19/24 • adapted to be loaded with more than one film, e.g.
17/18	Signals indicating condition of a camera member or Signals indicating double of field.	with exposure of one or the other at will
	suitability of light (indicating depth of field G03B 13/30)	19/26 • • with fade-in and fade-out effects [4]
17/20	visible in viewfinder	21/00 Projectors or projection-type viewers; Accessories
17/20	with means for cutting-off film	therefor (devices for changing pictures G03B 23/00;
17/24	with means for separately producing marks on the	zoetropes G03B 25/00; photographic printing apparatus
1//24	film, e.g. title, time of exposure	G03B 27/00; devices or systems producing a varying
17/26	Holders for containing light-sensitive material and	lighting effect F21S 10/00; optical projection
17720	adapted to be inserted within the camera (holders for	comparators G01B 9/08; projection microscopes
	X-ray films G03B 42/04) [2]	G02B 21/36)
17/28	Locating light-sensitive material within camera	21/02 • Multiple-film apparatus
17/30	Locating spools or other rotatable holders of	21/04 • • Picture "juke-boxes"
	coiled film	21/06 • affording only episcopic projection
17/32	Locating plates or cut films	21/08 • affording epidiascopic projection
17/34	Changing plates or cut films	• Projectors with built-in or built-on screen (projection
17/36	Counting number of exposures (of film strips	screens in general G03B 21/56)
	G03B 1/66; counting mechanisms in general G06M)	21/11 • • for microfilm reading
17/38	Releasing-devices separate from shutter (integral	• adapted for projection of either still pictures or
	with shutter G03B 9/08)	motion pictures (prolonged exhibition of single frame
17/40	 with delayed or timed action 	G03B 21/38)
17/42	 Interlocking between shutter operation and advance 	• Projectors for producing special effects at the edges
	of film or change of plate or cut-film	of picture, e.g. blurring
17/44	 Means for exchanging focusing screen and light- 	 Overhead projectors, i.e. capable of projecting hand- writing or drawing during action (epidiascopic
	sensitive material	projectors G03B 21/08)
17/46	 Means for exposing single frames in motion-picture 	21/134 • Projectors combined with typing apparatus or with
	camera	printing apparatus
17/48	 adapted for combination with other photographic or 	21/14 • Details
	optical apparatus (with microscopes, with telescopes	21/16 • Cooling; Preventing overheating
17/50	G02B)	21/18 • • Fire preventing or extinguishing
17/50	• • with both developing and finishing apparatus	21/20 • Lamp housings (condensers per se G02B)
17/52	(processing apparatus G03D)• of the Land type	21/22 • • Soundproof bodies
17/52	• •	21/26 • Projecting separately subsidiary matter
1//53	 for automatically delivering a finished picture after a signal causing exposure has been given, 	simultaneously with main image (light pointers
	e.g. by pushing a button, by inserting a coin	G02B 27/20)
17/54	with projector	21/28 • • Reflectors in projection beam
17/55	with projector with provision for heating or cooling, e.g. in aircraft	21/30 • • adapted to collapse or fold, e.g. for portability
17/56	Accessories (carrying-cases A45C)	21/32 • • Details specially adapted for motion-picture
17/58	Accessories (carrying-cases A45C) Attachments for converting cameras into reflex	projection (with film moving continuously through
17,50	cameras	the gate G03B 41/02)
		21/34 • • • Change-over arrangements
		21/36 • • • Fades, dissolves, or wipes
4=		21/38 • • • Prolonged exhibition of single frame
19/00	Cameras (details G03B 17/00)	21/40 • • • Eliminating or reducing effect of flicker
19/02	Still-picture cameras	21/42 • • • Preventing damage to film due to abnormal
19/04	Roll-film cameras	operation of projector
19/06	• • adapted to be loaded with more than one film,	21/43 • • • Driving mechanisms
	e.g. with exposure of one or the other at will	21/44 • • • Mechanisms transmitting motion to film-
10/07	(G03B 19/07 takes precedence)	strip feed; Mechanical linking of shutter and
19/07	• • having more than one objective	intermittent feed (film-strip feed <u>per se</u>
19/08	 with provision for alternative use with plates or cut-films 	G03B 1/00)
19/10	Plate or cut-film cameras (with provision for	21/46 • • • • affording adjustment for framing 21/48 • • • • for altering frame speed; for regulating
13/10	alternative use with roll film G03B 19/08)	21/48 • • • • for altering frame speed; for regulating constancy of film speed
19/12	Reflex cameras with single objective and a	21/50 • • • Control devices operated by the film strip
10/14	movable reflector or a partly-transmitting mirror	during the run (controlling or regulating speed
	The state of the s	G03B 21/48)
		•

21/52	• • • by prepared film	27/14 • • Details
21/53	 Means for automatic focusing, e.g. to compensate 	27/16 • • • Illumination arrangements, e.g. positioning of
	thermal effects (automatic focusing in general	lamps, positioning of reflectors (controlling the
	G02B 7/09; systems for automatic generation of	exposure G03B 27/72)
21/54	focusing signals G02B 7/28) [5]	27/18 • • • Maintaining or producing contact pressure
21/54 21/56	Accessories Projection coveres	between original and light-sensitive material 27/20 • • • by using a vacuum or fluid pressure
	Projection screens A collapsible of foldables of variable	
21/58	• • collapsible, e.g. foldable; of variable area [1, 2014.01]	27/24 • • • by stretching over a curved surface
21/585	• • • • Inflatable screens [2014.01]	27/24 • • • Separating the original from the print
21/60	• • characterised by the nature of the	27/26 • • • Cooling
21/00	surface [1, 2014.01]	27/28 • • • Edge-masking devices
21/602	• • • Lenticular screens (G03B 21/625 takes	27/30 • • • adapted to be combined with processing apparatus (processing apparatus <u>per se</u> G03D)
21,002	precedence) [2014.01]	27/32 • Projection printing apparatus, e.g. enlarger, copying
21/604	• • • • Polarised screens [2014.01]	camera
21/606	• • • • for relief projection [2014.01]	• • Means for automatic focusing therefor (systems
21/608	• • • • Fluid screens [2014.01]	for automatic generation of focusing signals
21/62	• • • • Translucent screens [1, 2014.01]	G02B 7/28; means for automatic focusing for
21/625	• • • • Lenticular translucent screens [2014.01]	photomechanical production G03F 7/207) [4]
21/64	Means for mounting individual pictures to be	27/36 • • • by mechanical connections, e.g. by cam, by
	projected, e.g. frame for transparency	linkage
.		27/38 • • • embodying screws with non-uniform pitch
23/00	Devices for changing pictures in viewing apparatus	27/40 • • • adapted for use with lenses of different focal
	or projectors (film-strip handling G03B 1/00; direct viewers G02B)	length
	vieweis Gozb)	• • for automatic sequential copying of the same
	Note(s)	original (G03B 27/34, G03B 27/53 take precedence) [4]
	In this group, the following term is used with the	27/44 • • for multiple copying of the same original at the
	meaning indicated:	same time (G03B 27/34, G03B 27/53 take
	 "picture" means any flat representation, 	precedence) [4]
	whether transparent or not, e.g. produced by	27/46 • • for automatic sequential copying of different
22.422	photography, writing, or printing.	originals, e.g. enlargers, roll film printers
23/02	in which a picture is removed from a stock and returned to the same stock or another one. Magazines	(G03B 27/34, G03B 27/50, G03B 27/53 take
	returned to the same stock or another one; Magazines therefor	precedence) [4]
23/04	with linear movement	27/465 • • at different positions of the same strip, e.g.
23/04	with rotary movement	microfilm [4]
23/08	in which pictures are attached to a movable carrier	27/47 • • • at different positions of the same sheet, e.g. microfiche [4]
23/10	drum or disc carrier	27/475 • • • copying cinematographic film (G03B 27/48
23/12	linear strip carrier	takes precedence) [4]
23/14	 Carriers operable to move pictures into, and out of, 	27/48 • • with original in the form of a film strip moving
	the projection or viewing position and carrying one	continuously and compensation for consequent
	or two pictures only in a removable manner	image movement
	(G03B 23/18 takes precedence) [4]	27/50 • with slit or like diaphragm moving over original
23/18	 with fade-in and fade-out effects [4] 	for progressive exposure (G03B 27/34 takes
25/00	Viewers other than projection viewers giving	precedence) [4]
23/00	Viewers, other than projection viewers, giving motion-picture effects by persistence of vision, e.g.	27/52 • • Details
	zoetrope (high-speed photography G03B 39/00)	27/53 • • • Automatic registration or positioning of
25/02	with interposed lenticular or line screen	originals with respect to each other or the photosensitive layer (within photo-mechanical
		production of textured or patterned surfaces,
27/00	Photographic printing apparatus (film-strip handling	e.g. of integrated circuits, G03F 9/00) [4]
	G03B 1/00)	27/54 • • • Lamp housings; Illuminating means
27/02	Exposure apparatus for contact printing	(controlling the exposure G03B 27/72)
27/04	Copying apparatus without a relative movement	27/56 • • • Mounting enlarger head on column
	between the original and the light source during exposure, e.g. printing frame, printing box	27/58 • • • Baseboards, masking frames, or other holders
27/06	• • for automatic repeated copying of the same	for the sensitive material (G03B 27/53 takes
4//00	original	precedence) [4]
27/08	• • for automatic copying of several originals one	27/60 • • • using a vacuum or fluid pressure
	after the other, e.g. for copying cinematograph	27/62 • • • Holders for the original (G03B 27/53 takes
	film	precedence) [4]
27/10	 Copying apparatus with a relative movement 	27/64 • • • using a vacuum or fluid pressure 27/66 • • specially adapted for holding half-tone screens
	between the original and the light source during	27/68 • • • Specially adapted for notding nair-tone screens 27/68 • • • Introducing or correcting distortion, e.g. in
D= / : =	exposure	connection with oblique projection
27/12	• • • for automatic repeated copying of the same original	27/70 • • • Reflectors in printing beam
	original	

35/08

6

• by simultaneous recording

27/72	 Controlling or varying light intensity, spectral composition, or exposure time in photographic 	35/10	 having single camera with stereoscopic-base- defining system
	printing apparatus (exposure meters <u>per se</u> G01J; control of light intensity in general G05D 25/00)	35/12	• • involving recording of different viewpoint images in different colours on a colour film
27/73	 Controlling exposure by variation of spectral composition, e.g. multicolor printers [3] 	35/14	 Printing apparatus specially adapted for conversion between different types of record (G03B 42/08 takes
27/74	 Positioning exposure meters in the apparatus 		precedence) [4]
27/80	 in dependence upon automatic analysis of the 	35/16	by sequential viewing
	original (G03B 27/73 takes precedence) [3]	35/18	by simultaneous viewing
		35/20	using two or more projectors
29/00	Combinations of cameras, projectors, or	35/22	 using single projector with stereoscopic-base-
	photographic printing apparatus with non-	33,	defining system
	photographic non-optical apparatus, e.g. clocks,	35/24	 using apertured or refractive resolving means on
	weapons; Cameras having the shape of other objects (combinations with flash apparatus G03B 15/03;		screen or between screen and eye
	combinations with instruments for medical examination	35/26	 using polarised or coloured light for separating
	of cavities or tubes of the body A61B 1/04;		different viewpoint images
	arrangements specially adapted for eye photography		• •
	A61B 3/14; combinations with surveying instruments	37/00	Panoramic or wide-screen photography;
	G01C; combinations with core or moderator structure of		Photographing extended surfaces, e.g. for surveying;
	nuclear reactors G21C 17/08; structural combinations		Photographing internal surfaces, e.g. of pipe
	with electric discharge tubes H01J 5/16, H01J 29/89,	37/02	 with scanning movement of lens or camera
	H01J 37/22)	37/04	 with cameras or projectors providing touching or overlapping fields of view
		37/06	 involving anamorphosis (G03B 37/02, G03B 37/04
Special to	<u>echniques</u>		take precedence)
31/00	Associated working of cameras or projectors with	39/00	High-speed photography
31,00	sound-recording or -reproducing means (record	39/02	 using stationary plate or film (G03B 39/06 takes
	carriers characterised by the selection of the material	33/02	precedence)
	and comprising cinematographic film and magnetic	39/04	 using moving plate or film (G03B 39/06 takes
	track G11B 5/633)	33704	precedence)
31/02	 in which sound track is on a moving-picture film 	39/06	 using light-guides for transferring image frame or
31/04	 in which sound track is not on, but is synchronised with, a moving-picture film 	337 00	elements thereof into different array, e.g. into a line
31/06	 in which sound track is associated with successively- 	41/00	Special photographic techniques not covered by
31/08	shown still pictures • with fade-in and fade-out effects [4]	11,00	groups G03B 31/00-G03B 39/00; Apparatus therefor [2]
51/00	with face-in and face-out criccis [+]	41/02	using non-intermittently-running film
33/00	Colour photography, other than mere exposure or	41/04	with optical compensator
	projection of a colour film (printing apparatus	41/06	• • with rotating reflecting member
	G03B 27/00; stereoscopic colour photography	41/08	• • • with rotating transmitting member
	G03B 35/00)	41/10	• • with oscillating reflecting member
33/02	 by two-colour separation records, e.g. red-aspect and 		
	white complete records; using Land effect	41/12	• • • with oscillating transmitting member
33/04	 by four or more separation records 	41/14	Overcoming image movement by brief flashes of
33/06	 by additive-colour projection apparatus 		light
33/08	 Sequential recording or projection (G03B 33/02, 	42/00	Obtaining records using waves other than optical
	G03B 33/04, G03B 33/06 take precedence)		waves; Visualisation of such records by using optical
33/10	• Simultaneous recording or projection (G03B 33/02, G03B 33/04, G03B 33/06 take precedence)		means (investigating or analysing materials using electromagnetic or sonic waves G01N; using radar,
33/12	 using beam-splitting or beam-combining systems, 		sonar or analogous techniques G01S) [4]
	e.g. dichroic mirrors	42/02	 using X-rays (measurement of X-radiation G01T; X-
33/14	 using lenticular screens (integral with film G03C) 		ray apparatus, circuits therefor H05G 1/00) [4]
33/16	 using colour-pattern screens (integral with film 	42/04	 Holders for X-ray films [4]
	G03C)	42/06	 using ultrasonic, sonic or infrasonic waves
			(measurement of ultrasonic, sonic or infrasonic
35/00	Stereoscopic photography (panoramic or wide-screen		waves G01H) [4]
8=	systems G03B 37/00; photogrammetry G01C)	42/08	 Visualisation of records by optical means (optical
35/02	by sequential recording		systems using spatial filters G02B 27/46; optics for
35/04	• • with movement of beam-selecting members in a		phase object visualisation G02B 27/50) [4]
	system defining two or more viewpoints		
35/06	 with axial movement of lens or gate between 		
	exposures	42 /AA	Testing correct operation of photographic apparatus
35/08	by simultaneous recording	4.5 / UU	resume correct operation of photographic apparatus

43/00

43/02

Testing correct operation of photographic apparatus

or parts thereof (measuring specific variables G01)

• Testing shutters (measuring time intervals G04F)

G03C PHOTOSENSITIVE 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)

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

PHOTOSENSITIVE COMPOSITIONS AND MATERIALS	For di	olour photographyiffusion transfer processesereo-photography and the like	8/00
1/00 Photosensitive materials (photosensitive materials for multicolour processes G3G: 700; for diffusion transfer processes G3G: 8000 [5] 1/005 Silver halide emissions; Preparation thereof; Physical treatment thereof; Incorporation of additives therein (catalytic amounts of silver halide in dry silver systems G3G: 1/498) [5] 1/015 • Apparatus or processes for the preparation of additives therein (catalytic amounts of silver halide in dry silver systems G3G: 1/498) [5] 1/025 • Physical treatment of emulsions, e.g. by ultrasonics, refrigeration, pressure (coating, drying G3G: 1/74) [5] 1/035 • Physical treatment of emulsions, e.g. by ultrasonics, refrigeration, pressure (coating, drying G3G: 1/74) [5] 1/041 • With macromolecular additives; with layer forming substances [5] 1/042 • With macromolecular additives; with layer tellurides [5] 1/043 • Polyalkylene exides; Polyalkylene sulfides; Polyalkylene selendies; Polyalkylene selen	PHOTOS	ENSITIVE COMPOSITIONS AND MATERIALS	1/00
multicolour processes GO3C 7/00; for diffusion transfer processes GO3C 8/00] [5] 1/005 • Silver halide emulsions, Preparation thereof; Physical treatment thereof; Incorporation of additives therein (caralytic amounts of silver halide emulsions of silver halide emulsions of silver halide in dry silver systems GO3C 14/98) [5] 1/015 • Apparatus or processes for the preparation of emulsions (coating, drying GO3C 17/4) [5] 1/025 • Physical treatment of emulsions, e.g., by ultrasonics, refrigeration, pressure (coating, drying GO3C 17/4) [5] 1/037 • Physical treatment of emulsions, e.g., by ultrasonics, refrigeration, pressure (coating, drying GO3C 17/4) [5] 1/038 • Characterised by the crystal form or composition, e.g. mixed grain [5] 1/04 • with macromolecular additives; with layer-forming substances [5] 1/05 • Polyalkylene oxides; Polyalkylene sulfides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene oxides; Poly	PACKAG	GING	3/00
multicolour processes GO3C 7/00; for diffusion transfer processes GO3C 8/00] [5] 1/005 • Silver halide emulsions, Preparation thereof; Physical treatment thereof; Incorporation of additives therein (caralytic amounts of silver halide emulsions of silver halide emulsions of silver halide in dry silver systems GO3C 14/98) [5] 1/015 • Apparatus or processes for the preparation of emulsions (coating, drying GO3C 17/4) [5] 1/025 • Physical treatment of emulsions, e.g., by ultrasonics, refrigeration, pressure (coating, drying GO3C 17/4) [5] 1/037 • Physical treatment of emulsions, e.g., by ultrasonics, refrigeration, pressure (coating, drying GO3C 17/4) [5] 1/038 • Characterised by the crystal form or composition, e.g. mixed grain [5] 1/04 • with macromolecular additives; with layer-forming substances [5] 1/05 • Polyalkylene oxides; Polyalkylene sulfides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene oxides; Poly			
multicolour processes GO3C 7/00; for diffusion transfer processes GO3C 8/00] [5] 1/005 • Silver halide emulsions, Preparation thereof; Physical treatment thereof; Incorporation of additives therein (caralytic amounts of silver halide emulsions of silver halide emulsions of silver halide in dry silver systems GO3C 14/98) [5] 1/015 • Apparatus or processes for the preparation of emulsions (coating, drying GO3C 17/4) [5] 1/025 • Physical treatment of emulsions, e.g., by ultrasonics, refrigeration, pressure (coating, drying GO3C 17/4) [5] 1/037 • Physical treatment of emulsions, e.g., by ultrasonics, refrigeration, pressure (coating, drying GO3C 17/4) [5] 1/038 • Characterised by the crystal form or composition, e.g. mixed grain [5] 1/04 • with macromolecular additives; with layer-forming substances [5] 1/05 • Polyalkylene oxides; Polyalkylene sulfides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene oxides; Poly			
1/005 Silver halide emulsions; Preparation thereof; Physical treatment thereof; Incorporation of additives therein (catalytic amounts of silver halide in dry silver systems GOSC 1/498) [5] 1/30 -	1/00	multicolour processes G03C 7/00; for diffusion transfer	5
treatment thereof. Incorporation of additives therein (catalytic amounts of silver halide in dry silver systems G03C 1/498) [5] 1/015 • Apparatus or processes for the preparation of emulsions (coating, drying G03C 174) [5] 1/025 • Physical treatment of emulsions, e.g. by ultrasonics, refrigeration, pressure (coating, drying G03C 174) [5] 1/035 • Characterised by the crystal form or composition, e.g. mixed grain [5] 1/04 • with macromolecular additives; with layer-forming substances [5] 1/05 • Polyalkylene exides; Polyalkylene sulfides; Polyalkylene selenides; Polyalkylene selenides; Polyalkylene sides of proteins [5] 1/05 • Porteins, e.g. gelatine derivatives; Hydrolysis or extraction products of proteins [5] 1/05 • Polymens obtained by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/06 • with non-macromolecular additives (G03C 1/04 takes precedence) [5] 1/07 • Substances [5] 1/08 • Sensitivity-increasing substances [5] 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) [5] 1/08 • Sensitivity-increasing substances [5] 1/09 • Noble metals or mercury; Salts or compounds thereof, e.g. for chemical sensitising (G03C 1/34, G03C 1/35 take precedence) [5] 1/09 • Noble metals or mercury; Salts or compounds thereof, e.g. for chemical sensitising (G03C 1/34, G03C 1/35 take precedence) [5] 1/10 • Organic substances 1/10 • Organic substa			
systems Go3C 1/498] [5] 1/015 - Apparatus or processes for the preparation of emulsions (coating, drying Go3C 1/74) [5] 1/025 - Physical treatment of emulsions, e.g. by ultrasonics, refrigeration, pressure (coating, drying Go3C 1/74) [5] 1/035 - Characterised by the crystal form or composition, e.g. mixed grain [5] 1/040 - with macromolecular additives; with layer-forming substances [5] 1/041 - Polyalkylene oxides; Polyalkylene sulfides; Polyalkylene oxides; Polyalkylene sulfides; Polyalkylene oxides; Polyalkylene tellurides [5] 1/042 - Proteins, e.g. gelatine derivatives; Hydrolysis or extraction products of proteins [5] 1/053 - Polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/061 - with non-macromolecular additives (Go3C 1/04 takes precedence) [5] 1/07 - Substances influencing grain growth during silver salt formation [5] 1/08 - Sensitivity-increasing substances [5] 1/08 - Sensitivity-increasing substances [5] 1/09 - Noble metals or mecrury; Salts or compounds thereof; Sulfur, selenium or tellurium, or compounds thereof, e.g. for chemical sensitising (Go3C 1/34, Go3C 1/35 take precedence) [5] 1/10 - When the precedence of the precedence of the precedence of the precedence of the precedence [5] 1/10 - Sensitivity-increasing substances 1/11 - Sensitivity-increasing substances 1/12 - Sensitivity-increasing substances 1/13 - Antispetic agents [2] 1/140 - Diseasemits Agents facilitating spreading [5] 1/150 - Desentises (direct positive emulsions Go3C 1/485) [5] 1/16 - With non-macromolecular additives; Hydrolysis or extraction products of proteins [5] 1/16 - Sensitivity-increasing substances [5] 1/17 - Diseasemits Agents facilitating spreading [5] 1/18 - Diseasemits Agents and the positive emulsions Go3C 1/42 [5] 1/18 - Diseasemits Agents and the positive emulsions Go3C 1/42 [5] 1/16 - With non-macromolecular additives (Go3C 1/04 takes precedence) [5] 1/17 - Diseasemits and take precedence) [5] 1/18 - Diseasemits Agents and the p	1/005	treatment thereof; Incorporation of additives therein	
1/015 Page 2 Pa			1/295 • • • Development accelerators [5]
emulsions (coating, drying Go3C 1/74) [5] 1/025 • Physical treatment of emulsions, e.g. by ultrasonics, refrigeration, pressure (coating, drying Go3C 1/74) [5] 1/035 • Characterised by the crystal form or composition, e.g. mixed grain [5] 1/04 • with macromolecular additives; with layer-forming substances [5] 1/04 • With macromolecular additives; with layer-forming substances [5] 1/04 • Polyalkylene exides; Polyalkylene sulfides; Polyalkylene exides; Polyalkylene for extraction products of proteins [5] 1/05 • Polyalkylene oxides; Polyalkylene for extraction products of proteins [5] 1/05 • Polyalkylene oxides; Polyalkylene for extraction products of proteins [5] 1/06 • Polyalkylene oxides; Polyalkylene for extraction products of proteins [5] 1/07 • Polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/06 • With non-macromolecular additives (Go3C 1/04 takes precedence) [5] 1/07 • Substances influencing grain growth during silver salt formation [5] 1/08 • Sensitivity-increasing substances [5] 1/09 • Noble metals or mercury; Salts or compounds thereof; Sulfur, selenium or tellurium, or compounds thereof, e.g. for chemical sensitising (Go3C 1/34, Go3C 1/35 take precedence) [5] 1/10 • Organic substances 1/12 • Organic substances 1/12 • Organic substances 1/14 • Organic substances 1/15 • Organic substances 1/16 • With more than odd number of CH groups 1/17 • Diazonium salts or diazo anhydrides 1/18 • Organic substances 1/19 • Organic substances 1/10 • Organic substa	1 /015		1/30 • • • Hardeners
1/025 • Physical treatment of emulsions, e.g. by ultrasonics, refrigeration, pressure (coating, drying G03C 1/74) [5] 1/035 • Characterised by the crystal form or composition, e.g. mixed grain [5] 1/04 • With macromolecular additives; with layerforming substances [5] 1/04 • Polyalkylene selenides; Polyalkylene sulfides; Polyalkylene selenides; Polyalkylene sele	1/015		1/31 • • • Plasticisers [2]
ultrasonics, refrigeration, pressure (coating, drying G03C 1/74) [5] 1/035 • Characterised by the crystal form or composition, e.g. mixed grain [5] 1/04 • With macromolecular additives; with layer-forming substances [5] 1/04 • Polyalkylene oxides; Polyalkylene sulfides; Polyalkylene selenides; Polyalkylene etellurides [5] 1/04 • Proteins, e.g. gelatine derivatives; Hydrolysis or extraction products of proteins [5] 1/053 • Polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/065 • With non-macromolecular additives (G03C 1/04 takes precedence) [5] 1/07 • Substances influencing grain growth during silver salt formation [5] 1/08 • Sensitivity-increasing substances [5] 1/09 • Noble metals or mercury; Salts or compounds thereof; Sulfur, selenium or tellurium,	1 /025		1/32 • • • Matting agents
1/035 Characterised by the crystal form or composition, e.g. mixed grain [5] 1/34 Characterised by the crystal form or composition, e.g. mixed grain [5] 1/35 Characterised by the crystal form or composition, e.g. mixed grain [5] 1/36 Characterised by the crystal form or composition, e.g. mixed grain [5] 1/36 Characterised by the crystal form or composition, e.g. mixed grain [5] 1/36 Characterised by the crystal form or composition, e.g. mixed grain [5] 1/36 Characterised by the crystal form or extraction products of proteins [5] 1/36 Characterised by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/42 Characterised by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/48 Characterised by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/48 Characterised by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/48 Characterised by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/49 Characterised by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/49 Characterised by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/49 Characterised by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [6] 1/49 Characterised by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [6] 1/49 Characterises of their precursors, not covered by groups G03C 1/08-G03C 1/38 or G03C 1/42 [5] 1/40 Characterises or their precursors, not covered by groups G03C 1/07-G03C 1/42 [5] 1/48 Characterises or their precursors, not covered by groups G03C 1/07-G03C 1/42 [5] 1/48 Characterises or their precursors, not covered by groups G03C 1/07-G03C 1/42 [5] 1/49 Characterises or their precursors, not covered by groups G03C 1/07-G03C 1/42 [5] 1/49 Characterise	1/025		1/33 • • • Spot-preventing agents [2]
1/04 Note	1 /075	G03C 1/74) [5]	
1/04		e.g. mixed grain [5]	1/35 • • • Antiplumming agents, i.e. antibronzing agents;
Polyalkylene selenides; Polyalkylene tellurides [5] 1/047 • Proteins, e.g. gelatine derivatives; Hydrolysis or extraction products of proteins [5] 1/053 • Polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/06 • With non-macromolecular additives (G03C 1/04 takes precedence) [5] 1/07 • Substances influencing grain growth during silver salt formation [5] 1/08 • Sensitivity-increasing substances [5] 1/09 • Noble metals or mercury; Salts or compounds thereof; e.g. for chemical sensitising (G03C 1/34, G03C 1/35 take precedence) [5] 1/10 • Organic substances 1/10 • Methine or polymethine dyes 1/11 • • • Methine or polymethine dyes 1/12 • • • With non-macromolecular odd number of CH groups 1/20 • • • With non-macromolecular odd titves (G03C 1/04 takes precedence) [5] 1/20 • • • With non-macromolecular additives (G03C 1/04 takes precedence) [5] 1/21 • • • With non-macromolecular additives (G03C 1/04 takes precedence) [5] 1/22 • • • • With non-macromolecular additives (G03C 1/04 takes precedence) [5] 1/21 • • • Substances influencing grain growth during silver salt formation [5] 1/22 • • • • With non-macromolecular additives (G03C 1/04 takes precedence) [5] 1/22 • • • • With non-macromolecular additives (G03C 1/34, G03C 1/35 take precedence) [5] 1/22 • • • • With non-macromolecular additives (G03C 1/34, G03C 1/35 take precedence) [5] 1/23 • • • Direct positive emulsions [2, 5] 1/24 • • • Sensitivity-increasing substances [5] 1/25 • Direct positive emulsions [2, 5] 1/49 • Print-out and photodevelopable emulsions [3] 1/49 • Print-out and photodevelopable emuls	1/04	forming substances [5]	1/36 • • • Desensitisers (direct positive emulsions
tellurides [5] 1/047 • Porteins, e.g. gelatine derivatives; Hydrolysis or extraction products of proteins [5] 1/053 • Polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/06 • With non-macromolecular additives (G03C 1/04 takes precedence) [5] 1/07 • Substances influencing grain growth during silver salt formation [5] 1/08 • Sensitivity-increasing substances [5] 1/09 • Sensitivity-increasing substances [5] 1/100 • Moble metals or mercury; Salts or compounds thereof, e.g. for chemical sensitising (G03C 1/34, G03C 1/35 take precedence) [5] 1/100 • Methine or polymethine dyes 1/10 • Methine or polymethine dyes 1/10 • Methine or polymethine dyes 1/11 • Methine or polymethine dyes 1/12 • Methine or both there CH groups 1/10 • Methine or polymethine dyes 1/11 • Methine or polymethine dyes 1/12 • Methine or polymethine dyes 1/14 • Methine or polymethine dyes 1/15 • Methine or polymethine dyes 1/16 • Methine or polymethine dyes 1/17 • Methine or polymethine dyes 1/18 • Methine or polymethine dyes 1/19 • Methine or polymethine dyes 1/10 • Methine or polymethine dyes 1/11 • Methine or polymethine dyes 1/12 • Methine or polymethine dyes 1/14 • Methine or polymethine dyes 1/15 • Diazonium salts or diazo anhydrides 1/16 • Methine or polymethine dyes 1/17 • Methine or polymethine dyes 1/18 • Methine or polymethine dyes 1/19 • Methine or polymethine dyes 1/19 • Methine or polymethine dyes 1/10 • Methine or polym	1/043		
1/047 • Proteins, e.g. gelatine derivatives; Hydrolysis or extraction products of proteins [5] 1/053 • Polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/06 • With non-macromolecular additives (G03C 1/04 takes precedence) [5] 1/07 • Substances influencing grain growth during silver salt formation [5] 1/08 • Sensitivity-increasing substances [5] 1/09 • Sensitivity-increasing substances [5] 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) [5] 1/10 • Organic substances 1/10 • Organic substances 1/11 • Organic substances 1/12 • Organic substances 1/14 • Organic substances 1/15 • Organic substances 1/16 • Organic substances 1/17 • Organic substances 1/18 • Organic substances 1/20 • Organic substance CH groups 1/20 • Or			
or extraction products of proteins [5] 1/053			
carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5] 1/06 • with non-macromolecular additives (Go3C 1/04 takes precedence) [5] 1/07 • Substances influencing grain growth during silver salt formation [5] 1/08 • Sensitivity-increasing substances [5] 1/09 • Noble metals or mercury; Salts or compounds thereof; Sulfur, selenium or tellurium, or compounds thereof, e.g. for chemical sensitising (Go3C 1/34, Go3C 1/35 take precedence) [5] 1/10 • Organic substances 1/12 • Organic substances 1/14 • Organic substances 1/15 • With an odd number of CH groups 1/16 • Organic substance CH groups 1/18 • Organic substance CH groups 1/18 • Organic substance CH groups 1/20 • Organic Styryl dyes 1/24 • Organic Styryl dyes 1/24 • Organic Styryl dyes 1/24 • Organic Styryl dyes 1/25 • Organic substances 1/26 • Organic substances 1/27 • Organic substance CH groups 1/28 • Organic Styryl dyes 1/29 • Organic Styryl dyes 1/20 • Organic St	1/047	or extraction products of proteins [5]	G03C 1/38 or G03C 1/42 [5]
rolymers [5] 1/06 vith non-macromolecular additives (G03C 1/04 takes precedence) [5] 1/07 vish Substances influencing grain growth during silver salt formation [5] 1/08 vish sensitivity-increasing substances [5] 1/09 vish 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) [5] 1/10 vish Noble metals or mercury; Salts or compounds thereof, e.g. for chemical sensitising (G03C 1/34, G03C 1/35 take precedence) [5] 1/10 vish Noble metals or mercury; Salts or compounds thereof, e.g. for chemical sensitising (G03C 1/34, G03C 1/35 take precedence) [5] 1/10 vish Noble metals or mercury; Salts or compounds thereof, e.g. for chemical sensitising (G03C 1/34, G03C 1/35 take precedence) [5] 1/10 vish Noble metals or mercury; Salts or compounds thereof, e.g. for chemical sensitising (G03C 1/34, G03C 1/35 take precedence) [5] 1/10 vish Noble metals or mercury; Salts or merc	1/053		
takes precedence) [5] 1/07 • Substances influencing grain growth during silver salt formation [5] 1/08 • Sensitivity-increasing substances [5] 1/09 • Sensitivity-increasing substances [5] 1/09 • Sensitivity-increasing substances [5] 1/494 • Silver salt compositions other than silver halide emulsions; Photothermographic systems [5] 1/495 • Binder-free compositions, e.g. evaporated [5] 1/496 • Binder-free compositions, e.g. evaporated [5] 1/497 • Photothermographic systems [5] 1/498 • Photothermographic systems, e.g. dry silver [5] 1/50 • Compositions containing noble metal salts other than silver salts, as photosensitive substances [5] 1/50 • Compositions containing diazo compounds as photosensitive substances (G03C 1/64 takes precedence) [5] 1/51 • • • • with an odd number of CH groups 1/52 • Diazonium salts or diazo anhydrides 1/53 • Coupling substances therefor [5] 1/54 • Diazonium salts or diazo anhydrides 1/55 • Diazo sulfonates 1/56 • Diazo sulfonates 1/57 • Compositions containing diazo compounds as photosensitive substances (G03C 1/64 takes precedence) [5] 1/50 • Diazonium salts or diazo anhydrides 1/50 • Diazonium salts or diazo anhydrides 1/55 • Diazonium salts or diazonates 1/56 • Diazonium salts or diazonates 1/57 • Diazonium salts or diazonates 1/58 • Coupling substances therefor [5] 1/59 • With macromolecular additives [5]			covered by groups G03C 1/07-G03C 1/42 [5]
1/07 • • • Substances influencing grain growth during silver salt formation [5] 1/49 • Photosoluble emulsions [2, 5] 1/08 • • Sensitivity-increasing substances [5] 1/494 • Silver salt compositions other than silver halide emulsions; Photothermographic systems [5] 1/498 • Photosoluble emulsions; Photothermographic systems [5] 1/498 • Photothermographic systems [6] 1/498 • Photothermographic systems, e.g. dry silver [5] 1/50 • Compositions containing noble metal salts other than silver salts, as photosensitive substances [5] 1/50 • Compositions containing diazo compounds as photosensitive substances (G03C 1/64 takes precedence) [5] 1/14 • • • • • with an odd number of CH groups 1/54 • Diazonium salts or diazo anhydrides 1/58 • Diazo sulfonates 1/58 • Coupling substances therefor [5] 1/59 • With macromolecular additives [5] 1/59 • With non-macromolecular additives [5]	1/06		1/46 • having more than one photosensitive layer
silver salt formation [5] 1/08 * * * Sensitivity-increasing substances [5] 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) [5] 1/10 * * Organic substances 1/12 * * Methine or polymethine dyes 1/14 * * * * * * * * * * * * * * * * * * *		- · · · · · · · · · · · · · · · · · · ·	
1/08 • • • Sensitivity-increasing substances [5] 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) [5] 1/10 • • • Organic substances 1/12 • • • • Methine or polymethine dyes 1/14 • • • • • with an odd number of CH groups 1/18 • • • • with one CH groups 1/20 • • • with more than three CH groups 1/22 • • • • with an even number of CH groups 1/24 • • • • Silver salt compositions other than silver halide emulsions; Photothermographic systems [5] 1/496 • Binder-free compositions, e.g. evaporated [5] 1/498 • Photothermographic systems, e.g. dry silver [5] 1/498 • Photothermographic systems [5] 1/498 • Photothermographic systems, e.g. dry silver [5] 1/50 • Compositions ontaining noble metal salts other than silver halide emulsions; Photothermographic systems [5] 1/498 • Photothermographic systems [5] 1/50 • Compositions ontaining noble metal salts other than silver halide emulsions; Photothermographic systems [5] 1/50 • Compositions ontaining noble metal salts other than silver halide emulsions; Photothermographic systems [5] 1/50 • Compositions ontaining noble metal salts other than silver halide emulsions; Photothermographic systems [5] 1/50 • Compositions ontaining noble metal salts other than silver halide emulsions; Photothermographic systems [6] 1/50 • Diazonium salts or diazo anhydrides 1/51 • Diazonium salts or diazo anhydrides 1/52 • Diazonium salts or diazo anhydrides 1/53 • Coupling substances [5] 1/54 • Diazonium salts or diazonium	1/07		1/49 • • Print-out and photodevelopable emulsions [2, 5]
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) [5] 1/10 • • Organic substances 1/12 • • • Methine or polymethine dyes 1/14 • • • • with an odd number of CH groups 1/18 • • • • with one CH groups 1/20 • • • with more than three CH groups 1/22 • • • with an even number of CH groups 1/24 • • • Styryl dyes 1/24 • • • Styryl dyes 1/496 • Binder-free compositions, e.g. evaporated [5] 1/498 • Photothermographic systems, e.g. dry silver [5] 1/498 • Photothermographic systems [5] 1/498 • Photothermographic systems, e.g. dry silver [5] 1/50 Compositions containing noble metal salts other than silver salts, as photosensitive substances [6] 1/50 Compositions containing diazo compounds as photosensitive substances (G03C 1/64 takes precedence) [5] 1/51 • Diazonium salts or diazo anhydrides 1/52 • Diazo sulfonates 1/58 • Coupling substances therefor [5] 1/59 • Diazonium salts or diazo anhydrides 1/59 • Diazonium salts or diazo anhydrides 1/50 • Diazonium salts or diazonium			1/492 • • Photosoluble emulsions [5]
tellurium, or compounds thereof, e.g. for chemical sensitising (G03C 1/34, G03C 1/35 take precedence) [5] 1/10		Noble metals or mercury; Salts or	
chemical sensitising (G03C 1/34, G03C 1/35 take precedence) [5] 1/10 · · · Organic substances 1/12 · · · Methine or polymethine dyes 1/14 · · · · with an odd number of CH groups 1/18 · · · · with three CH groups 1/20 · · · with more than three CH groups 1/22 · · · · with an even number of CH groups 1/24 · · · · Styryl dyes 1/24 · · · · Styryl dyes 1/35 · Compositions containing noble metal salts other than silver salts, as photosensitive substances [5] 1/50 · Compositions containing diazo compounds as photosensitive substances (G03C 1/64 takes precedence) [5] 1/52 · Compositions containing noble metal salts other than silver salts, as photosensitive substances (G03C 1/64 takes precedence) [5] 1/52 · Compositions containing noble metal salts other than silver salts, as photosensitive substances (G03C 1/64 takes precedence) [5] 1/52 · Compositions containing noble metal salts other than silver salts, as photosensitive substances (G03C 1/64 takes precedence) [5] 1/52 · Compositions containing noble metal salts other than silver salts, as photosensitive substances (G03C 1/64 takes precedence) [5] 1/52 · Compositions containing noble metal salts other than silver salts, as photosensitive substances (G03C 1/64 takes precedence) [5] 1/52 · Compositions containing noble metal salts other than silver salts, as photosensitive substances [5] 1/52 · Compositions containing noble metal salts other than silver salts, as photosensitive substances [5] 1/52 · Compositions containing noble metal salts other than silver salts, as photosensitive substances [5]			1/496 • • Binder-free compositions, e.g. evaporated [5]
take precedence) [5] 1/10 · · · Organic substances 1/12 · · · Methine or polymethine dyes 1/14 · · · · with an odd number of CH groups 1/18 · · · · with three CH groups 1/20 · · · with more than three CH groups 1/22 · · · Styryl dyes 1/24 · · · · Styryl dyes 1/30 · · · · · · · · Styryl dyes 1/30 · · · · · · · · · · · · · · · · · · ·			1/498 • • Photothermographic systems, e.g. dry silver [5]
1/10 · · · · Organic substances 1/12 · · · · Methine or polymethine dyes 1/14 · · · · · with an odd number of CH groups 1/16 · · · · · with one CH group 1/18 · · · · · with three CH groups 1/20 · · · · with more than three CH groups 1/22 · · · · with an even number of CH groups 1/24 · · · · Styryl dyes 1/52 · Compositions containing diazo compounds as photosensitive substances (G03C 1/64 takes precedence) [5] 1/54 · · Diazonium salts or diazo anhydrides 1/56 · Diazo sulfonates 1/58 · Coupling substances therefor [5] 1/59 · with macromolecular additives [5]		take precedence) [5]	
photosensitive substances (G03C 1/64 takes precedence) [5] 1/14 • • • • • with an odd number of CH groups 1/16 • • • • with one CH group 1/18 • • • • with three CH groups 1/20 • • • with more than three CH groups 1/22 • • • Styryl dyes 1/24 • • • Styryl dyes photosensitive substances (G03C 1/64 takes precedence) [5] • Diazonium salts or diazo anhydrides • Diazo sulfonates • Coupling substances therefor [5] • with macromolecular additives [5]			
1/14 • • • • • with an odd number of CH groups 1/16 • • • • • with one CH group 1/18 • • • • with three CH groups 1/20 • • • with more than three CH groups 1/22 • • • • with an even number of CH groups 1/24 • • • • Styryl dyes 1/54 • Diazo sulfonates 1/58 • Coupling substances therefor [5] 1/60 • with macromolecular additives [5]		1 0	
1/16• • • • • • • with one CH group1/54• • Diazonium salts or diazo anhydrides1/18• • • • • with three CH groups1/56• Diazo sulfonates1/20• • • • with more than three CH groups1/58• Coupling substances therefor [5]1/22• • • • with an even number of CH groups1/60• with macromolecular additives [5]1/24• • • • Styryl dyes1/61• with non-macromolecular additives [5]	1/14		
1/18• • • • • • • with three CH groups1/56• Diazo sulfonates1/20• • • • • with more than three CH groups1/58• Coupling substances therefor [5]1/22• • • • • with an even number of CH groups1/60• with macromolecular additives [5]1/24• • • • Styryl dyes1/61• with non-macromolecular additives [5]			
1/20 · · · · · with more than three CH groups 1/22 · · · · with an even number of CH groups 1/24 · · · · Styryl dyes 1/58 · Coupling substances therefor [5] 1/60 · with macromolecular additives [5] 1/61 · with non-macromolecular additives [5]		• • • • • with three CH groups	•
1/22 • • • • • with an even number of CH groups 1/24 • • • • • Styryl dyes 1/60 • with macromolecular additives [5] 1/61 • with non-macromolecular additives [5]	1/20	• • • • • with more than three CH groups	
1/24 • • • • • Styryl dyes 1/61 • • with non-macromolecular additives [5]	1/22	• • • • • with an even number of CH groups	
	1/24	• • • • • Styryl dyes	

1/64	•		ompositions containing iron compounds as notosensitive substances [5]	5/00	Photographic processes or agents therefor; Regeneration of such processing agents (multicolour
1/66	•		ompositions containing chromates as photosensitive bstances [5]		processes G03C 7/00; diffusion transfer processes G03C 8/00; stereo-photographic processes
1/67	•		ompositions containing cobalt compounds as	F /02	G03C 9/00) [4, 5]
1 / 675		_	notosensitive substances [5]	5/02	 Sensitometric processes, e.g. determining sensitivity, colour sensitivity, gradation, graininess, density;
1/675	•		ompositions containing polyhalogenated ompounds as photosensitive substances [5]		Making sensitometric wedges
1/685			ompositions containing spiro-condensed pyran	5/04	Photo-taking processes
			ompounds or derivatives thereof, as photosensitive	5/06	 Travelling-mask processes
			bstances [5]	5/08	• Photoprinting (G03C 5/18 takes precedence);
1/695	•	su	ompositions containing azides as photosensitive bstances [5]		Processes or means for preventing photoprinting [3, 5]
1/705	•	all	ompositions containing chalcogenides, metals or loys thereof, as photosensitive substances, e.g.	5/10	Reflex-printing; Photoprinting using fluorescent or phosphorescent means [5]
1 /70			notodope systems [5]	5/12	Cinematographic processes of taking pictures or printing
1/72	•		notosensitive compositions not covered by groups 03C 1/005-G03C 1/705 [5]	5/14	printingcombined with sound-recording
1/725			containing inorganic compounds [5]	5/14	X-ray, infra-red, or ultra-violet ray processes
1/73			containing organic compounds [5]	5/17	 using screens to intensify X-ray images [2, 4]
1/735			Organo-metallic compounds [5]	5/18	Diazo-type processes, e.g. thermal development, or
1/74			pplying photosensitive compositions to the base;		agents therefor [3, 5]
			rying processes therefor (G03C 1/496 takes	5/20	Reflex-printing
1 /50			ecedence) [2, 5]	5/22	Direct chromate processes, i.e. without preceding
1/76	•		notosensitive materials characterised by the base or exiliary layers [5]	5/26	silver picture, or agents therefor [5] • Processes using silver-salt-containing photosensitive
1/765	•		characterised by the shape of the base, e.g.	3/20	materials or agents therefor (physical development
			arrangement of perforations, jags [5]		G03C 5/58) [5]
1/77			the base being of metal [5]	5/28	Cinematographic-film processes [5]
1/775			the base being of paper [5]	5/29	• • Development processes or agents therefor
1/785			translucent [5] Manage along a pating and improve a pating a pa	5/30	(G03C 5/38, G03C 5/50 take precedence) [5] • • Developers
1/79	٠	٠	 Macromolecular coatings or impregnations therefor, e.g. varnishes [5] 	5/305	• • • Additives other than developers [5]
1/795	•	•	the base being formed of macromolecular	5/31	• • • Regeneration; Replenishers [5]
			substances (G03C 1/775 takes precedence) [5]	5/315	 Tanning development [5]
1/805	•	•	characterised by stripping layers or stripping	5/32	 Latensification; Desensitising [5]
1/81			means [5] characterised by anti-coiling means [5]	5/38	• • Fixing; Developing-fixing; Hardening-fixing
1/815			characterised by means for filtering or absorbing	5/39	(bleach-fixing G03C 5/44) [5]• Stabilising, i.e. fixing without washing
1,010			ultra-violet light, e.g. optical bleaching agents (for photoprinting G03C 5/10; for intensifying X-ray	5/395	out [2, 5] • Regeneration of photographic processing agents
			images G03C 5/17) [5]	3/333	other than developers; Replenishers therefor [4, 5]
1/825	•		characterised by antireflecting means or visible- light filtering means, e.g. anti-halation [5]	5/40	• • Chemically transforming developed images (G03C 5/50 takes precedence) [5]
1/83	•		Organic dyestuffs therefor [5]	5/42	• • • Reducing; Intensifying [5]
1/835	•	•	Macromolecular substances therefor, e.g.	5/44	 • • Bleaching; Bleach-fixing [5]
1/85			mordants [5] characterised by antistatic additives or coatings [5]	5/46	• • • Toning [5]
1/89			Macromolecular substances therefor [5]	5/48	• • • Mordanting [5]
1/91	•	•	characterised by subbing layers or subbing means [5]	5/50	• • Reversal development; Contact processes (G03C 5/315, G03C 8/00 take precedence) [5]
1/93			Macromolecular substances therefor [5]	5/56	• Processes using photosensitive compositions covered
1/95	•		rendered opaque or writable, e.g. with inert		by groups G03C 1/64-G03C 1/72 or agents therefor (G03C 5/58 takes precedence) [5]
			particulate additives (G03C 1/775 takes precedence) [5]	5/58	 Processes for obtaining metallic images by vapour deposition or physical development [5]
3/00	p	ack	ages of films for inserting into cameras, e.g. roll-	5/60	 Processes for obtaining vesicular images [5]
•			or film-packs; Wrapping materials for light-	7/00	Multicolour photographic processes or agents
			tive plates, films, or papers, e.g. materials	7,00	therefor; Regeneration of such processing agents;
			acterised by the use of special dyes, printing inks lhesives		Photosensitive materials for multicolour processes
D (00	U	ı dü	HICSIVES		(diffusion transfer processes G03C 8/00) [4, 5]

7/02

7/04

7/06

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• • Manufacture of colour screens

• Direct bleach-out processes; Materials therefor; Preparing or processing such materials [5]

• Additive processes using colour screens; Materials therefor; Preparing or processing such materials [5]

3/02

• Photographic roll-films with paper strips

7/08	• • • from diversely-coloured grains irregularly distributed	8/08	 the substances transferred by diffusion consisting of organic compounds (G03C 8/04 takes
7/10	 • with regular areas of colour, e.g. bands, lines, 		precedence) [5]
	dots	8/10	 • of dyes or their precursors [5]
7/12	• • • by photo-exposure	8/12	• • • characterised by the release mechanism [5]
7/14	• Additive processes using lenticular screens; Materials therefor; Preparing or processing such materials [5]	8/14	• • • • • Oxidation of the chromogenic substance [5]
7/18	Processes for the correction of the colour image in subtractive colour photography (using coloured	8/16	• • • • • initially diffusable in alkaline environment [5]
	colour-couplers G03C 7/333) [5]	8/18	• • • • • • Dye developers [5]
7/20	• Subtractive colour processes using differently sensitised films, each coated on its own base, e.g.	8/20	• • • • • initially non-diffusable in alkaline environment [5]
7/22	bipacks, tripacks [5]Subtractive cinematographic processes; Materials	8/22	• • • • Reduction of the chromogenic substance [5]
7/24	therefor; Preparing or processing such materials [5]combined with sound-recording	8/24	• Photosensitive materials characterised by the image-
7/24		0.406	receiving section [5]
	• • Dye-imbibition processes; Materials therefor; Preparing or processing such materials [5]	8/26	 Image-receiving layers (G03C 8/52 takes precedence) [5]
7/26	 Silver halide emulsions for subtractive colour processes (G03C 7/28-G03C 7/30 take 	8/28	 containing development nuclei or compounds forming such nuclei [5]
	precedence) [5]	8/30	Additive processes using colour screens; Materials
7/28	 Silver dye bleach processes; Materials therefor; 	0,50	therefor; Preparing or processing such materials [5]
7/29	Preparing or processing such materials [5] • Azo dyes therefor [5]	8/32	• Development processes or agents therefor (G03C 8/18 takes precedence) [5]
7/30	Colour processes using colour-coupling substances;	8/34	 Containers for the agents (G03C 8/48,
7730	Materials therefor; Preparing or processing such materials [5]		G03B 17/50 take precedence) [5]
7/205		8/36	• • Developers [5]
7/305	 Substances liberating photographically active agents, e.g. development-inhibiting releasing 	8/38	• • containing viscosity increasing substances [5]
	couplers (G03C 7/388 takes precedence) [5]	8/40	 Development by heat [5]
7/32	 Colour-coupling substances (G03C 7/305, 	8/42	 Structural details [5]
	G03C 7/388 take precedence) [5]	8/44	 Integral units, i.e. the image-forming section not being separated from the image-receiving
7/327	Macromolecular coupling substances [5]		section [5]
7/333	• • • Coloured coupling substances, e.g. for the correction of the coloured image [5]	8/46	 characterised by the trapping means or by gas releasing means [5]
7/34	• • Couplers containing phenols (G03C 7/327, G03C 7/333 take precedence) [5]	8/48	• • • characterised by substances used for masking the image-forming section [5]
7/36	• • Couplers containing compounds with active methylene groups (G03C 7/327, G03C 7/333	8/50	Peel-apart units, i.e. the image-forming section being separated from the image-receiving
7/20	take precedence) [5]		section [5]
7/38	• • • • in rings [5]	8/52	 Bases or auxiliary layers; Substances therefor [5]
7/384	• • • • in pyrazolone rings [5]	8/54	• • • Timing layers [5]
7/388	 Processes for the incorporation in the emulsion of substances liberating photographically active 	8/56	• • • Mordant layers [5]
	agents or colour-coupling substances; Solvents	9/00	Stereo-photographic or similar processes
	therefor [5]	9/02	Parallax-stereogram
7/392	 Additives (G03C 7/305, G03C 7/32 take 	9/04	Vectographic-image
	precedence) [5]	9/06	Anaglyph
7/396	Macromolecular additives [5]	9/08	 producing three-dimensional images
7/407	• • Development processes or agents therefor [5]	2,00	1 0
7/413	• • • Developers [5]	11/00	Auxiliary processes in photography (characterised by
7/42	 Bleach-fixing or agents therefor [3, 5] 		apparatus used G03D 15/00)
7/44	 Regeneration; Replenishers (G03C 7/42 takes 	11/02	 Marking or applying of text
	precedence) [5]	11/04	Retouching
7/46	 Subtractive colour processes not covered by group 	11/06	 Smoothing; Renovating; Roughening; Matting;
	G03C 7/26; Materials therefor; Preparing or processing such materials [5]		Cleaning; Lubricating; Flame retardant treatments [5]
8/00	Diffusion transfer processes or agents therefor;	11/08	 Varnishing, e.g. application of protective layers on finished photographic prints [5]
3, 30	Photosensitive materials for such processes [5]	11/10	 for protection from ultra-violet light
	processes [9]	11/17	• Stripping or transferring intact photographic layers

Photosensitive materials for such processes [5]

- 8/02 • Photosensitive materials characterised by the imageforming section [5]
- 8/04 • • the substances transferred by diffusion consisting of inorganic compounds or of organo-metallic compounds derived from photosensitive noble metals [5]
- 8/06 • • • Silver salt diffusion transfer [5]

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11/12

11/14

11/16

11/18

11/20

• Stripping or transferring intact photographic layers

· · with powdered or molten colours

· Pasting; Mounting

Drying

Colouring

• Preparing plates or films for the manufacture of photographic negatives by non-photographic processes

 Removing emulsion from waste photographic material; Recovery of photosensitive substances [5]

G03D APPARATUS FOR PROCESSING EXPOSED PHOTOGRAPHIC MATERIALS; ACCESSORIES THEREFOR

11/24

Subclass index

Liquio Rever Other APPARA	TUS FOR PROCESSING EXPOSED MATERIAL d; gas; diffusion processing apparatus		
3/00	Liquid processing apparatus involving immersion; Washing apparatus involving immersion (G03D 9/00,	9/02	using rupturable ampoules of liquid
	G03D 11/00 take precedence)	11/00	Reversal processing apparatus
3/02	Details of liquid circulation	12/00	Daniel and the second
3/04	Liquid agitators	13/00	Processing apparatus or accessories therefor, not covered by groups G03D 3/00-G03D 11/00
3/06	 Liquid supply; Liquid circulation outside tanks 	13/02	Containers; Holding-devices
3/08	 having progressive mechanical movement of exposed 	13/02	Trays; Dishes; Tanks
	material	13/04	 Light-tight tanks with provision for loading in
3/10	 for plates, films, or prints held individually 	13/00	daylight
3/12	 for plates, films or prints spread onto belt conveyors [2] 	13/08	Devices for holding exposed material; Devices for supporting exposed material
3/13	• • for long films or prints in the shape of strips, e.g.	13/10	• • • Clips (G03D 13/14 takes precedence)
	fed by roller assembly [2]	13/12	• • • Frames (G03D 13/14 takes precedence)
3/14	• • with means for taking into account of elongation or contraction of films	13/14	• • • for holding films in spaced convolutions
3/16	 Treating exposed material in original holder 	15/00	Apparatus for treating processed material
5/00	Liquid processing apparatus in which no immersion is effected; Washing apparatus in which no	15/02	Drying; Glazing (combined with processing apparatus G03D 3/00-G03D 13/00)
	immersion is effected (G03D 9/00, G03D 11/00 take	15/04	 Cutting; Splicing
	precedence)	15/06	 Applying varnish or other coating
5/02	 using rupturable ampoules of liquid 	15/08	 Flattening prints
5/04	using liquid sprays	15/10	 Mounting, e.g. of processed material in a frame
5/06	 Applicator pads, rollers, or strips [2] 		(frames specially adapted for projection G03B 21/64)
7/00	Gas processing apparatus	17/00	Dark-room arrangements not provided for in the

G03F PHOTOMECHANICAL PRODUCTION OF TEXTURED OR PATTERNED SURFACES, e.g. FOR PRINTING, FOR PROCESSING OF SEMICONDUCTOR DEVICES; MATERIALS THEREFOR; ORIGINALS THEREFOR; APPARATUS SPECIALLY ADAPTED THEREFOR (phototypographic composing devices B41B; photosensitive materials or processes for photographic purposes G03C; electrography, sensitive layers or processes G03G)

Note(s)

9/00

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

- "photosensitive" means not only sensitive of electromagnetic radiation but also to corpuscular radiation;
- "photosensitive compositions" covers photosensitive substances, e.g. quinonediazides, and, if applicable, binders or additives;
- "photosensitive materials" covers the photosensitive compositions, e.g. photoresists, the bases carrying them and, if applicable, auxiliary layers.

1/00 Originals for photomechanical production of textured or patterned surfaces, e.g. masks, photomasks or reticles; Mask blanks or pellicles therefor; Containers specially adapted therefor; Preparation thereof [3, 2012.01]

Diffusion development apparatus

Note(s) [2012.01]

In this main group, at each hierarchical level, in the absence of an indication to the contrary, classification is made in the first appropriate place.

other groups of this subclass; Portable dark-rooms

- Masks or mask blanks for imaging by charged particle beam [CPB] radiation, e.g. by electron beam; Preparation thereof [2012.01]
- Masks or mask blanks for imaging by radiation of 100 nm or shorter wavelength, e.g. X-ray masks, extreme ultra-violet [EUV] masks; Preparation thereof [2012.01]
- 1/24 Reflection masks; Preparation thereof [2012.01]
- 1/26 Phase shift masks [PSM]; PSM blanks; Preparation thereof [2012.01]
- 1/28 with three or more diverse phases on the same PSM; Preparation thereof [2012.01]
- 1/29 Rim PSM or outrigger PSM; Preparation thereof [2012.01]
- 1/30 Alternating PSM, e.g. Levenson-Shibuya PSM; Preparation thereof [2012.01]
- Attenuating PSM [att-PSM], e.g. halftone PSM or PSM having semi-transparent phase shift portion; Preparation thereof [2012.01]
- 1/34 Phase-edge PSM, e.g. chromeless PSM; Preparation thereof [2012.01]
- Masks having proximity correction features;
 Preparation thereof, e.g. optical proximity correction
 [OPC] design processes [2012.01]
- Masks having auxiliary features, e.g. special coatings or marks for alignment or testing; Preparation thereof [2012.01]
- Electrostatic discharge [ESD] related features, e.g. antistatic coatings or a conductive metal layer around the periphery of the mask substrate [2012.01]
- 1/42 Alignment or registration features, e.g. alignment marks on the mask substrates [2012.01]
- 1/44 Testing or measuring features, e.g. grid patterns, focus monitors, sawtooth scales or notched scales [2012.01]
- 1/46 • Antireflective coatings [2012.01]
- 1/48 • Protective coatings **[2012.01]**
- Mask blanks not covered by groups G03F 1/20-G03F 1/26; Preparation thereof [2012.01]
- 1/52 Reflectors [2012.01]
- 1/54 Absorbers, e.g. opaque materials **[2012.01]**
- 1/56 • Organic absorbers, e.g. photo-resists [2012.01]
- 1/58 having two or more different absorber layers, e.g. stacked multilayer absorbers **[2012.01]**
- 1/60 Substrates [2012.01]
- Pellicles or pellicle assemblies, e.g. having membrane on support frame; Preparation thereof [2012.01]
- 1/64 characterised by the frames, e.g. structure or material thereof **[2012.01]**
- Containers specially adapted for masks, mask blanks or pellicles; Preparation thereof [2012.01]
- 1/68 Preparation processes not covered by groups G03F 1/20-G03F 1/50 **[2012.01]**
- 1/70 Adapting basic layout or design of masks to lithographic process requirements, e.g. second iteration correction of mask patterns for imaging [2012.01]
- 1/72 Repair or correction of mask defects [2012.01]
- 1/74 • by charged particle beam [CPB], e.g. focused ion beam [2012.01]
- 1/76 Patterning of masks by imaging [2012.01]
- 1/78 • by charged particle beam [CPB], e.g. electron beam **[2012.01]**
- 1/80 • Etching [2012.01]
- 1/82 • Auxiliary processes, e.g. cleaning [2012.01]

- 1/84 • Inspecting [2012.01]
- 1/86 • by charged particle beam [CPB] [2012.01]
- 1/88 prepared by photographic processes for producing originals simulating relief [2012.01]
- 1/90 prepared by montage processes [2012.01]
- 1/92 prepared from printing surfaces [2012.01]
- **3/00 Colour separation; Correction of tonal value** (photographic copying apparatus in general G03B)
- 3/02 by retouching
- 3/04 by photographic means
- 3/06 • by masking
- 3/08 by photoelectric means
- 3/10 Checking the colour or tonal value of separation negatives or positives
- 5/00 Screening processes; Screens therefor
- 5/02 by projecting methods (cameras G03B)
- 5/04 • changing the screen effect
- 5/06 • changing the diaphragm effect
- 5/08 • using line screens
- 5/10 using cross-line screens
- 5/12 using other screens, e.g. granulated screen
- 5/14 by contact methods
- 5/16 • using grey half-tone screens
- 5/18 using colour half-tone screens
- 5/20 using screens for gravure printing
- 5/22 combining several screens; Elimination of moire
- by multiple exposure, e.g. combined processes for line photo and screen
- 7/00 Photomechanical, e.g. photolithographic, production of textured or patterned surfaces, e.g. printed surfaces; Materials therefor, e.g. comprising photoresists; Apparatus specially adapted therefor (using photoresist structures for special production processes, see the relevant places, e.g. B44C, H01L, e.g. H01L 21/00, H05K) [3, 5]
- 7/004 Photosensitive materials (G03F 7/12, G03F 7/14 take precedence) [5]
- 7/008 • Azides (G03F 7/075 takes precedence) **[5]**
- 7/012 • Macromolecular azides; Macromolecular additives, e.g. binders [5]
- 7/016 Diazonium salts or compounds (G03F 7/075 takes precedence) [5]
- 7/021 • Macromolecular diazonium compounds; Macromolecular additives, e.g. binders [5]
- 7/022 • Quinonediazides (G03F 7/075 takes precedence) [5]
- 7/023 • Macromolecular quinonediazides; Macromolecular additives, e.g. binders [5]
- 7/025 Non-macromolecular photopolymerisable compounds having carbon-to-carbon triple bonds, e.g. acetylenic compounds (G03F 7/075 takes precedence) [5]
- 7/027 Non-macromolecular photopolymerisable compounds having carbon-to-carbon double bonds, e.g. ethylenic compounds (G03F 7/075 takes precedence) [5]
- 7/028 • with photosensitivity-increasing substances, e.g. photoinitiators [5]
- 7/029 • • Inorganic compounds; Onium compounds; Organic compounds having hetero atoms other than oxygen, nitrogen or sulfur [5]
- 7/031 • • Organic compounds not covered by group G03F 7/029 [5]
- 7/032 • with binders **[5]**

7/033 • • • • the binders being polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds, e.g. vinyl polymers [5]	 7/207 • Means for focusing, e.g. automatically (combination of positioning and focusing G03F 9/02; systems for automatic generation of
7/035 • • • the binders being polyurethanes [5]	focusing signals in general G02B 7/28; means for
7/037 • • • the binders being polyamides or	automatic focusing of projection printing
polyimides [5]	apparatus G03B 27/34) [4]
7/038 • • Macromolecular compounds which are rendered	7/213 • • Exposing with the same light pattern different
insoluble or differentially wettable (G03F 7/075	positions of the same surface at the same time
takes precedence; macromolecular azides	(G03F 7/207 takes precedence) [4]
G03F 7/012; macromolecular diazonium	7/22 • • Exposing sequentially with the same light pattern
compounds G03F 7/021) [5]	different positions of the same surface
7/039 • • Macromolecular compounds which are	(G03F 7/207 takes precedence) [4]
photodegradable, e.g. positive electron resists	7/23 • • • Automatic means therefor [4]
(G03F 7/075 takes precedence; macromolecular	7/24 • • Curved surfaces
quinonediazides G03F 7/023) [5]	 7/26 • Processing photosensitive materials; Apparatus
7/04 • • Chromates (G03F 7/075 takes precedence) [5]	therefor (G03F 7/12-G03F 7/24 take
7/06 • • Silver salts (G03F 7/075 takes precedence) [5]	precedence) [3, 5]
7/07 • • • used for diffusion transfer [5]	7/28 • • for obtaining powder images (G03F 3/10 takes
7/075 • • Silicon-containing compounds [5]	precedence) [5]
7/085 • • Photosensitive compositions characterised by	7/30 • • Imagewise removal using liquid means [5]
adhesion-promoting non-macromolecular additives (G03F 7/075 takes precedence) [5]	7/32 • • • Liquid compositions therefor, e.g. developers [5]
7/09 • characterised by structural details, e.g. supports,	7/34 • • Imagewise removal by selective transfer, e.g.
auxiliary layers (supports for printing plates in	peeling away [5]
general B41N) [5]	7/36 • • Imagewise removal not covered by groups
7/095 • • having more than one photosensitive layer	G03F 7/30-G03F 7/34, e.g. using gas streams,
(G03F 7/075 takes precedence) [5]	using plasma [5]
7/105 • • • having substances, e.g. indicators, for forming	7/38 • • Treatment before imagewise removal, e.g.
visible images [5]	prebaking [5] 7/40 • • Treatment after imagewise removal, e.g.
7/11 • • having cover layers or intermediate layers, e.g.	baking [5]
subbing layers [5]	7/42 • • Stripping or agents therefor [5]
7/115 • • having supports or layers with means for obtaining a screen effect or for obtaining better	7/42 Surpping of agents therefor [6]
contact in vacuum printing [5]	9/00 Registration or positioning of originals, masks,
7/12 • Production of screen printing forms or similar	frames, photographic sheets or textured or patterned
printing forms, e.g. stencils	surfaces, e.g. automatically (G03F 7/22 takes
7/14 • Production of collotype printing forms	precedence; preparation of photographic masks
7/16 • Coating processes; Apparatus therefor (applying	G03F 1/00; within photographic printing apparatus for making copies G03B 27/00) [4]
coatings to base materials in general B05; applying	9/02 • combined with means for automatic focusing
photosensitive compositions to the base for	(automatic focusing in general G02B 7/09; systems
photographic purposes G03C 1/74)	for automatic generation of focusing signals
7/18 • • Coating curved surfaces	G02B 7/28) [4]
7/20 • Exposure; Apparatus therefor (photographic printing	,

G03G ELECTROGRAPHY; ELECTROPHOTOGRAPHY; MAGNETOGRAPHY (information storage based on relative movement between record carrier and transducer G11B; static stores with means for writing-in or reading-out information G11C; recording of television signals H04N 5/76)

Note(s)

- 1. This subclass <u>covers</u>:
 - the production of permanent directly-visible pictures in conformity with an original picture or document, using an intermediate imagewise distribution of an electric or magnetic quantity, such as a charge pattern, an electric conductivity pattern, or a magnetic pattern;
 - the production of permanent directly-visible pictures using an intermediate imagewise distribution of an electric or magnetic
 quantity, when the origin and the way of generating said intermediate distribution are not relevant.
- 2. This subclass <u>does not cover</u>:

apparatus for making copies G03B 27/00) [4]

- use of electric signals for the transmission of the picture information from the original to the reproduction, i.e. pictorial communication, which is covered by subclass H04N;
- production of pictures by heat patterns exclusively, not using an electrostatic or magnetic pattern, which is covered by group B41M 5/00;
- production of prints by transferring ink from a printing form to a printing surface, without physical contact and using the force of an electrostatic field, which is covered by subclass B41M;
- selective printing mechanisms characterised by the selective supply of electric current, or the selective application of magnetism or radiation, to a printing material or impression-transfer material, which are covered by groups B41J 2/385, B41J 2/435.

Subclass index

ORIGINAL RECORDING, MEMBERS AND MATERIALS	5/00, 7/00, 9/00
ELECTROGRAPHIC PROCESSES AND APPARATUS	
Using a charge pattern	13/00, 15/00
Using patterns other than charge patterns	
Using deformation of thermoplastic layers	16/00
PROCESSES AND APPARATUS USING MAGNETIC PATTERNS	
DETAILS NOT OTHERWISE PROVIDED FOR	8/00, 11/00, 21/00

- 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 G01D 15/34; photosensitive materials for photographic purposes G03C)
- Charge-receiving layers (G03G 5/153 takes precedence) [5]
- 5/022 • Layers for surface-deformation imaging, e.g. frost imaging [2]
- 5/024 • Photoelectret layers [2]
- 5/026 Layers in which during the irradiation a chemical reaction occurs whereby electrically conductive patterns are formed in the layers, e.g. for chemixerography [2]
- 5/028 • Layers in which after being exposed to heat patterns electrically conductive patterns are formed in the layers, e.g. for thermoxerography [2]
- Photoconductive layers; Charge-generation layers or charge-transporting layers; Additives therefor; Binders therefor [2, 5]
- 5/043 • Photoconductive layers characterised by having two or more layers or characterised by their composite structure [5]
- 5/047 • characterised by the charge-generation layers or charge-transporting layers [5]
- Organic bonding materials; Methods for coating a substrate with a photoconductive layer; Inert supplements for use in photoconductive layers [2]
- 5/06 • characterised by the photoconductive material being organic **[5]**
- 5/07 • Polymeric photoconductive materials [2]
- 5/08 • characterised by the photoconductive material being inorganic [2, 5]
- 5/082 • and not being incorporated in a bonding material, e.g. vacuum deposited [2]
- 5/085 • and being incorporated in an inorganic bonding material, e.g. glass-like layers [2]
- 5/087 • and being incorporated in an organic bonding material [2]
- 5/09 • Sensitisers or activators, e.g. dyestuffs (G03G 5/12 takes precedence) [2]
- 5/10 Bases for charge-receiving or other layers
- 5/12 Recording members for multicolour processes [2]
- 5/14 Inert intermediate or cover layers for chargereceiving layers (G03G 5/04 takes precedence) [2, 5]
- 5/147 • Cover layers **[5]**
- 5/153 Charge-receiving layers combined with additional photo- or thermo-sensitive, but not photoconductive, layers, e.g. silver-salt layers [5]
- 5/16 Layers for recording by changing the magnetic properties, e.g. for Curie-point-writing [3]

- 7/00 Selection of materials for use in image-receiving members, i.e. for reversal by physical contact; Manufacture thereof (photosensitive materials for photographic purposes G03C)
- 8/00 Layers covering the final reproduction, e.g. for protecting, for writing thereon [2]
- 9/00 Developers [5]
- 9/06 the developer being electrolytic
- 9/08 with toner particles [2]

Note(s)

In groups G03G 9/083-G03G 9/12, in the absence of an indication to the contrary, classification is made in the last appropriate place.

- 9/083 • Magnetic toner particles [5]
- 9/087 • Binders for toner particles [5]
- 9/09 • Colouring agents for toner particles [5]
- 9/093 • Encapsulated toner particles [5]
- 9/097 • Plasticisers; Charge controlling agents [5]
- 9/10 characterised by carrier particles [2, 5]
- 9/107 • having magnetic components [5]
- 9/113 • having coatings applied thereto [5]
- 9/12 • in liquid developer mixtures [2]
- 9/125 • characterised by the liquid **[5]**
- 9/13 • characterised by polymer components **[5]**
- 9/135 • characterised by stabiliser or charge-controlling agents [5]
- 9/16 Developers not provided for in groups G03G 9/06-G03G 9/135, e.g. solutions, aerosols [2]
- 9/18 • Differentially-wetting liquid developers [2]
- 11/00 Selection of substances for use as fixing agents
- **13/00** Electrographic processes using a charge pattern (G03G 15/00, G03G 16/00, G03G 17/00 take precedence) [2, 5]
- for multicoloured copies [2]
- 13/02 Sensitising, i.e. laying-down a uniform charge (devices for corona discharge per se H01T 19/00)
- 13/04 Exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6]
- 13/045 Charging or discharging distinct portions of the charge pattern on the recording material, e.g. discharging non-image areas, contrast enhancement (G03G 13/34, G03G 15/36, G03G 21/06 take precedence) [6]
- Imagewise charging, i.e. laying-down a charge in the configuration of an original image using a modulated stream of charged particles, e.g. of corona ions, modulated by a photoconductive control screen bearing a charge pattern or by optically activated charging means (using charging means controlled by electric image signals B41J) [6]

13/054	• using X-rays, e.g. electroradiography [6]	15/11	• • • Removing excess liquid developer e.g. by
13/056	 using internal polarisation [2, 6] 		heat [6]
13/06	 Developing 	15/14	 for transferring a pattern to a second base
13/08	 using a solid developer, e.g. powder developer 	15/16	of a toner pattern, e.g. a powder pattern
13/09	 using magnetic brush [2] 	15/18	of a charge pattern
13/095	 Removing excess solid developer [6] 	15/20	 for fixing, e.g. by using heat
13/10	 using a liquid developer 	15/22	• involving the combination of more than one step
13/11	• • Removing excess liquid developer, e.g. by heat [6]		according to groups G03G 13/02-G03G 13/20 (G03G 15/01 takes precedence) [2]
13/14	Transferring a pattern to a second base	15/23	 specially adapted for copying both sides of an
13/16	of a toner pattern, e.g. a powder pattern		original or for copying on both sides of a
13/18	of a charge pattern		recording or image-receiving material [6]
13/20	Fixing, e.g. by using heat	15/24	whereby at least two steps are performed
13/22	 Processes involving the combination of more than 	15 /06	simultaneously [2]
	one step according to groups G03G 13/02-	15/26	• • in which the charge pattern is obtained by
	G03G 13/20 (G03G 13/01 takes precedence) [2]		projection of the entire image, i.e. whole-frame projection (G03G 15/04 takes precedence) [2, 6]
13/23	 specially adapted for copying both sides of an 	15/28	 in which projection is obtained by line scanning
	original or for copying on both sides of a	13/20	(G03G 15/04 takes precedence) [2, 6]
	recording or image-receiving material [6]	15/30	• • • in which projection is formed on a drum [2]
13/24	 whereby at least two steps are performed 	15/32	 in which projection is formed on a drum [2] in which the charge pattern is formed dotwise
	simultaneously [2]	13/32	(G03G 15/04, G03G 15/05, G03G 15/34 take
13/26	 for the production of printing plates for non- 		precedence) [2, 6]
	xerographic printing processes [2]	15/34	 in which the powder image is formed directly on
13/28	Planographic printing plates [2]		the recording material [6]
13/30	 Hectographic masters [2] 	15/36	 Editing, i.e. producing a composite image by copying
13/32	 Relief printing plates [2] 		one or more original images or parts thereof [6]
13/34	Editing, i.e. producing a composite image by copying		
	one or more original images or parts thereof [6]	16/00	Electrographic processes using deformation of thermoplastic layers (layers for surface-deformation
15/00	Apparatus for electrographic processes using a		imaging G03G 5/022); Apparatus therefor [2, 6]
	charge pattern (G03G 16/00, G03G 17/00 take		inaging 3000 5/022), ripparatus therefor [2, 0]
	precedence) [2, 5]	17/00	Electrographic processes using patterns other than
			zieen ogrupine processes using patterns outer than
	Note(s)		charge patterns, e.g. an electric conductivity pattern;
	Note(s)		charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g.
	This group <u>covers</u> also processes in so far as they are		charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography;
	This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus		charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g.
15/01	This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this group.		charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus
15/01 15/02	This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this group. • for producing multicoloured copies [2]	17/02	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5]
15/01 15/02	This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this group. • for producing multicoloured copies [2] • for laying down a uniform charge, e.g. for sensitising;	17/02	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2]
	 This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes 	17/02 17/04	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2]
	This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this group. • for producing multicoloured copies [2] • for laying down a uniform charge, e.g. for sensitising;	17/02 17/04 17/06	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5]
15/02	 This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] 	17/02 17/04	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2]
15/02	 This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically 	17/02 17/04 17/06 17/08	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5]
15/02	 This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive 	17/02 17/04 17/06	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold
15/02 15/04	This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this group. • for producing multicoloured copies [2] • for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] • for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] • with variable magnification [6] • with means for controlling illumination or	17/02 17/04 17/06 17/08	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5]
15/02 15/04 15/041 15/043	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] 	17/02 17/04 17/06 17/08	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus
15/02 15/04 15/041	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct 	17/02 17/04 17/06 17/08	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5]
15/02 15/04 15/041 15/043	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording 	17/02 17/04 17/06 17/08 17/10 19/00	 charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] with electrolytic development [2] using photoelectrophoresis [2] Apparatus therefor [5] using an electrophoto-adhesive process, e.g. manifold imaging [5] using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor
15/02 15/04 15/041 15/043	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or 	17/02 17/04 17/06 17/08	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups
15/02 15/04 15/041 15/043	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, 	17/02 17/04 17/06 17/08 17/10 19/00	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of
15/02 15/04 15/041 15/043 15/045	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] 	17/02 17/04 17/06 17/08 17/10 19/00	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2]
15/02 15/04 15/041 15/043 15/045	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] for discharging non-image areas [6] 	17/02 17/04 17/06 17/08 17/10 19/00 21/00	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2] • Counting the number of copies; Billing [6]
15/02 15/04 15/041 15/043 15/045	 This group <u>covers</u> also processes in so far as they are characterised by the use or manipulation of apparatus classifiable <u>per se</u> in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] for imagewise charging, e.g. photoconductive control 	17/02 17/04 17/06 17/08 17/10 19/00	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2]
15/02 15/04 15/041 15/043 15/045	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] for imagewise charging, e.g. photoconductive control screen, optically activated charging means (charging 	17/02 17/04 17/06 17/08 17/10 19/00 21/00	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2] • Counting the number of copies; Billing [6] • Preventing copies being made of an original [6]
15/02 15/04 15/041 15/043 15/045	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] for imagewise charging, e.g. photoconductive control screen, optically activated charging means (charging means controlled by electric image signals B41J) [6] 	17/02 17/04 17/06 17/08 17/10 19/00 21/00	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2] • Counting the number of copies; Billing [6] • Preventing copies being made of an original [6] • Eliminating residual charges from a reusable imaging
15/02 15/04 15/041 15/043 15/045 15/047 15/05	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] for imagewise charging, e.g. photoconductive control screen, optically activated charging means (charging means controlled by electric image signals B41J) [6] using X-rays, e.g. electroradiography [6] 	17/02 17/04 17/06 17/08 17/10 19/00 21/00 21/00 21/02 21/04 21/06	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2] • Counting the number of copies; Billing [6] • Preventing copies being made of an original [6] • Eliminating residual charges from a reusable imaging member [6]
15/02 15/04 15/041 15/043 15/045 15/047 15/05 15/054 15/056	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] for imagewise charging, e.g. photoconductive control screen, optically activated charging means (charging means controlled by electric image signals B41J) [6] using X-rays, e.g. electroradiography [6] using internal polarisation [2, 6] 	17/02 17/04 17/06 17/08 17/10 19/00 21/00 21/02 21/04 21/06 21/08	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2] • Counting the number of copies; Billing [6] • Preventing copies being made of an original [6] • Eliminating residual charges from a reusable imaging member [6] • using optical radiation [6]
15/02 15/04 15/041 15/043 15/045 15/05 15/054 15/056 15/06	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] for discharging non-image areas [6] for imagewise charging, e.g. photoconductive control screen, optically activated charging means (charging means controlled by electric image signals B41J) [6] using X-rays, e.g. electroradiography [6] using internal polarisation [2, 6] for developing 	17/02 17/04 17/06 17/08 17/10 19/00 21/00 21/02 21/04 21/06 21/08 21/10	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2] • Counting the number of copies; Billing [6] • Preventing copies being made of an original [6] • Eliminating residual charges from a reusable imaging member [6] • using optical radiation [6] • Collecting or recycling waste developer [6]
15/02 15/04 15/041 15/043 15/045 15/047 15/05 15/056 15/06 15/08	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] for imagewise charging, e.g. photoconductive control screen, optically activated charging means (charging means controlled by electric image signals B41J) [6] using X-rays, e.g. electroradiography [6] using internal polarisation [2, 6] for developing using a solid developer, e.g. powder developer 	17/02 17/04 17/06 17/08 17/10 19/00 21/00 21/02 21/04 21/06 21/08 21/10 21/12	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2] • Counting the number of copies; Billing [6] • Preventing copies being made of an original [6] • Eliminating residual charges from a reusable imaging member [6] • using optical radiation [6] • Collecting or recycling waste developer [6] • Toner waste containers [6]
15/02 15/04 15/041 15/043 15/045 15/05 15/05 15/056 15/06 15/08 15/09	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] for imagewise charging, e.g. photoconductive control screen, optically activated charging means (charging means controlled by electric image signals B41J) [6] using X-rays, e.g. electroradiography [6] using internal polarisation [2, 6] for developing using a solid developer, e.g. powder developer using magnetic brush [2] 	17/02 17/04 17/06 17/08 17/10 19/00 21/00 21/02 21/04 21/06 21/08 21/10 21/12 21/14	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2] • Counting the number of copies; Billing [6] • Preventing copies being made of an original [6] • Eliminating residual charges from a reusable imaging member [6] • using optical radiation [6] • Collecting or recycling waste developer [6] • Toner waste containers [6] • Electronic sequencing control [6] • Mechanical means for facilitating the maintenance of the apparatus, e.g. modular arrangements [6]
15/02 15/04 15/041 15/043 15/045 15/05 15/05 15/054 15/06 15/06 15/08 15/09 15/095	This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. • for producing multicoloured copies [2] • for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] • for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] • with variable magnification [6] • with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] • with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] • • for discharging non-image areas [6] • to imagewise charging, e.g. photoconductive control screen, optically activated charging means (charging means controlled by electric image signals B41J) [6] • using X-rays, e.g. electroradiography [6] • using internal polarisation [2, 6] • for developing • using a solid developer, e.g. powder developer • using magnetic brush [2] • Removing excess solid developer [6]	17/02 17/04 17/06 17/08 17/10 19/00 21/00 21/02 21/04 21/06 21/08 21/10 21/12 21/14	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2] • Counting the number of copies; Billing [6] • Preventing copies being made of an original [6] • Eliminating residual charges from a reusable imaging member [6] • using optical radiation [6] • Collecting or recycling waste developer [6] • Toner waste containers [6] • Electronic sequencing control [6] • Mechanical means for facilitating the maintenance of
15/02 15/04 15/041 15/043 15/045 15/05 15/05 15/056 15/06 15/08 15/09	 This group covers also processes in so far as they are characterised by the use or manipulation of apparatus classifiable per se in this group. for producing multicoloured copies [2] for laying down a uniform charge, e.g. for sensitising; Corona discharge devices (G03G 15/14 takes precedence) [6] for exposing, i.e. imagewise exposure by optically projecting the original image on a photoconductive recording material [6] with variable magnification [6] with means for controlling illumination or exposure (G03G 15/041 takes precedence) [6] with means for charging or discharging distinct portions of the charge pattern on the recording material, e.g. for contrast enhancement or discharging non-image areas (G03G 15/36, G03G 21/06 take precedence) [6] for imagewise charging, e.g. photoconductive control screen, optically activated charging means (charging means controlled by electric image signals B41J) [6] using X-rays, e.g. electroradiography [6] using internal polarisation [2, 6] for developing using a solid developer, e.g. powder developer using magnetic brush [2] 	17/02 17/04 17/06 17/08 17/10 19/00 21/00 21/02 21/04 21/06 21/08 21/10 21/12 21/14 21/16	charge patterns, e.g. an electric conductivity pattern; Processes involving a migration; e.g. photoelectrophoresis, photoelectrosolography; Processes involving a selective transfer, e.g. electrophoto-adhesive processes; Apparatus essentially involving a single such process [5] • with electrolytic development [2] • using photoelectrophoresis [2] • Apparatus therefor [5] • using an electrophoto-adhesive process, e.g. manifold imaging [5] • using migration imaging, e.g. photoelectrosolography (G03G 17/04 takes precedence) [5] Processes using magnetic patterns; Apparatus therefor Arrangements not provided for by groups G03G 13/00-G03G 19/00, e.g. cleaning, elimination of residual charge [2] • Counting the number of copies; Billing [6] • Preventing copies being made of an original [6] • Eliminating residual charges from a reusable imaging member [6] • using optical radiation [6] • Collecting or recycling waste developer [6] • Toner waste containers [6] • Electronic sequencing control [6] • Mechanical means for facilitating the maintenance of the apparatus, e.g. modular arrangements [6]

G03H

HOLOGRAPHIC PROCESSES OR APPARATUS (holograms, e.g. point holograms, used as ordinary optical elements G02B 5/32; analogue computers performing mathematical operations with the aid of optical elements G06E 3/00; holographic storage G11B 7/0065, G11C 13/04) [2]

Note(s)

This subclass <u>covers</u> means for producing a record of the phase and amplitude information of a wave-front, which information can be used to reconstruct the original wave-front, or means to reconstruct the original wave-front from a record containing the phase and amplitude information of the wave-front.

1/00	Holographic processes or apparatus using light, infra-red, or ultra-violet waves for obtaining holograms or for obtaining an image from them; Details peculiar thereto [2]
1/02	• Details [2]
1/04	 Processes or apparatus for producing holograms (G03H 1/26 takes precedence) [2]
1/06	 using incoherent light [2]
1/08	 Synthesising holograms [2]
1/10	 using modulated reference beam [2]
1/12	 • • Spatial modulation, e.g. ghost imaging [2]
1/14	 • Temporal modulation, e.g. extending depth of field or phase compensation for object motion [2]
1/16	 using Fourier transform (G03H 1/12, G03H 1/14 take precedence) [2]
1/18	 Particular processing of hologram record carriers, e.g. for obtaining blazed holograms [2]
1/20	 Copying holograms by holographic means [2]
1/22	 Processes or apparatus for obtaining an optical image

from holograms (G03H 1/26-G03H 1/34 take

precedence) [2]

- 1/24 • using white light **[2]**
- Processes or apparatus specially adapted to produce multiple holograms or to obtain images from them, e.g. multicolour technique [2]
- 1/28 • superimposed holograms only [2]
- 1/30 discrete holograms only [2]
- 1/32 Systems for obtaining speckle elimination [2]
- 1/34 Systems for reducing the space-spatial bandwidth product [2]
- 3/00 Holographic processes or apparatus using ultrasonic, sonic, or infrasonic waves for obtaining holograms;
 Processes or apparatus for obtaining an optical image from them (G03H 1/22 takes precedence) [2]
- 5/00 Holographic processes or apparatus using particles or using waves other than those covered by groups G03H 1/00 or G03H 3/00 for obtaining holograms; Processes or apparatus for obtaining an optical image from them (G03H 1/22 takes precedence) [2]