

1	HOLOGRAPHIC PROCESS, COMPOSITION, OR PRODUCT	28	.Using specified radiation- sensitive composition other than a nominal sensitized polyvinyl alcohol
2	.Composition or product or process of making the same		
3	USE OF SOUND OR NONDIGITAL COMPRESSIVE FORCE	29	.Using specified post-imaging process composition
4	RADIATION MODIFYING PRODUCT OR PROCESS OF MAKING	30	INCLUDING CONTROL FEATURE RESPONSIVE TO A TEST OR MEASUREMENT
5	.Radiation mask		
6	.Screen other than for cathode- ray tube	31	ELECTRIC OR MAGNETIC IMAGERY, E.G., XEROGRAPHY, ELECTROGRAPHY, MAGNETOGRAPHY, ETC., PROCESS, COMPOSITION, OR PRODUCT
7	..Color		
8	MICROGRAPHY, PROCESS, COMPOSITION, OR PRODUCT OTHER THAN MICROELECTRONIC DEVICE MANUFACTURE	32	.Electrophoretic imaging, process, composition, or product
9	IMAGED PRODUCT	33	..Post treatment process to fix or transfer image, or collect or remove electric radiation sensitive pigment
10	.Antifraud or antitampering		
11	.Structurally defined		
12	..Nonuniform or noncoextensive layer added to finished imaged product	34	..Pretreatment process to change the physical properties of electrophoretic suspension or specified imaging feature exposure
13	.Image contained within transparent base		
14	.Multilayer		
15	..Plural image layers	35	..Specified electric field applied or electric charging step
16	.Deposited metal coating on image		
17	.Nonsilver image		
18	.Including resin or synthetic polymer	36	..Manipulation of electrode
19	ERASABLE IMAGING	37	..Electric radiation sensitive pigment
20	LIQUID CRYSTAL PROCESS, COMPOSITION, OR PRODUCT	38	..Material used to modify electrophoretic suspension response
21	RETRIEVING IMAGE MADE USING RADIATION IMAGERY	39	.Magnetic imaging
22	REGISTRATION OR LAYOUT PROCESS OTHER THAN COLOR PROOFING	40	.Manifold imaging, process, composition, or product
23	PRODUCING CATHODE-RAY TUBE OR ELEMENT THEREOF	41	.Migration imaging, process, composition, or product, e.g., electrosology, etc.
24	.Using specific control or specific modification of exposure, i.e., by manipulation of radiation source or exposure through elements other than shadow mask	42.1	.To produce color reproduction (i.e., two or more colors specified)
		43.1	..With color correction step
		44.1	..With sintering
25	.With light-absorbing matrix on faceplate	45.1	..Process with identified developing composition or identified developing step (e.g., toner binder, softening point, reversal developing, etc.)
26	.With faceplate of phosphoric stripes		
27	.With filter material on finished faceplate		

- 45.2 ...Liquid developing composition or process (e.g., using toner particles in liquid vehicle, etc.)
- 45.3 ...Identified developing feature (e.g., reversal development, etc.)
- 45.31 ...Developing electrostatic latent images of different potential areas or polarities (e.g., trilevel image of three differentially charged areas, etc.)
- 45.32 ...Magnetic brush
- 45.33 ...Polymerizing developing composition (e.g., photohardening of microcapsules, etc.)
- 45.4 ...Developing composition having five or more different color toners (e.g., pentachrome, hexachrome, etc.)
- 45.5 ...Developing composition having subtractive colorant (i.e., cyan, magenta, or yellow)
- 45.51 ...Dissimilar toners of identified chemical or physical property
- 45.53 ...Developing composition forming glossy image
- 45.54 ...Identified shape (e.g., sphere-shaped toner, toner shape factor, etc.)
- 45.55 ...Identified toner or colorant surface area or size (e.g., pigment size, etc.)
- 45.56 ...Having carrier particles (i.e., multicomponent developer)
- 46.1 ..Process with identified radiation-conductive element or composition (e.g., photoreceptor, etc.)
- 46.2 ...Plural charge generation layers
- 46.3 ...Color filter layer
- 46.4 ...Identified organic binder
- 46.5 ...Inorganic-containing radiation conductive composition
- 47.1 ..Process with identified receptor or identified image transfer process step
- 47.2 ...Plural color images transferred to receptor
- 47.3 ...Stripping toner image layer from imaging element
- 47.4 ...Identified intermediate receptor
- 47.5 ...Identified final receptor
- 48 .Electrostatic image transfer
- 49.1 .To produce printing surface
- 49.2 ..Driographic (i.e., waterless) printing surface
- 49.3 ..Having toned image transfer
- 49.31 ...Toner release layer on imaging layer
- 49.4 ..Having imagewise portion removal of radiation-sensitive imaging layer (e.g., dissolving, transfer, plasma etching, etc.)
- 49.41 ...Removal of portion under imaging layer of toner area only
- 49.42 ...Includes etching substrate
- 49.43 ...By wet removal (e.g., solvent, surface active agent solution, alkaline solution, etc.)
- 49.44 ...Toned image removed subsequent to nontoned portion removal
- 49.45 ...Liquid or solution containing nitrogen-containing compound (e.g., ammonia hydroxide, etc.)
- 49.46 ...Alkaline solution (e.g., Na+OH- solution, etc.)
- 49.5 ..Posttreatment making nonimaged or nontoned areas hydrophilic
- 49.6 ...Liquid posttreatment
- 49.7 ...Nitrogen-containing compound (e.g., amine solution, etc.)
- 49.8Cyano-containing compound (e.g., FeCN, etc.)
- 50 .Deformation imaging, e.g., frost imaging, etc.
- 51 .Persistent internal polarization imaging
- 52 .Electrolysis imaging
- 53 .Using ion or particle flow modulation
- 54 .To produce multiple image on medium or plural radiant energy exposures of medium, e.g., image intensification using two images, or two exposures of same image, etc.

55	.Charging simultaneous with imaging	58.6	.....Carbazole containing or derivative
56	.Radiation-sensitive composition or product	58.65	.....Arylamine containing
57.1	..Having plural conductive layers	58.7	.....Polymeric arylamine containing
57.2	...With plural charge generation layers	58.75	.....Triamine, or diamine containing
57.3	....Nitrogen hetero ring compound in one or more charge generation layers	58.8	.....1,1' biphenyl 4,4' diamine (e.g., benzidine, etc.)
57.4	....Inorganic silicon (e.g., elemental silicon, silicon alloy or inorganic compound thereof) in one or more charge generation layers	58.85	.....Charge transport layer containing alkenylarylamine
57.5	.....With germanium (elemental, compound or alloy) in layer containing silicon	59.1	...And specified charge generator layer
57.6	.....Germanium as dopant	59.2	....Charge generator layer contains compound having an acyclic azo group (i.e., -N=N-)
57.7	.....P-type or n-type silicon containing (e.g., silicon doped with a Group IIIa, or a Group Va element)	59.3	.....Compound having an acyclic azo group and having either an azomethine (i.e., -CH=N), or a stilbene group; or a compound having three or more azo groups in charge generator layer
57.8	....Inorganic selenium (Se) (e.g., elemental selenium, selenium alloy or inorganic compound thereof)	59.4	....Phthalocyanine or phthalocyanine derivative compound in charge generator layer
58.05	...Charge transport layer	59.5	.....Titanium (Ti) or vanadium (V) phthalocyanine containing
58.1	....Inorganic charge transport layer	59.6	...With specified binder resin in transport layer
58.15	....Sulfur containing hetero ring in charge transport layer	60	..Product having layer between radiation-conductive layer and base or support
58.2	....Organosilicon or organogermanium in charge transport layer	61	..Sensitizing layer
58.25	....Cyclic ketone, cyclodicyanomethylene, or cyclomethylenemalonate in charge transport layer	62	...Conductive layer
58.3	....Containing at least three aryl groups bonded to a single carbon atom in charge transport layer	63	...Inorganic containing
58.35	....Organic nitrogen in charge transport layer	64	...Blocking or barrier layer
58.4	.....Hydrazone containing	65	...Inorganic containing
58.45	.....Additional nitrogen attached indirectly to the hydrazone group by nonionic bonding	66	..Product having overlayer on radiation-conductive layer
58.5	.....Nitrogen hetero ring compound	67	...Electrically insulating overlayer
58.55	.....Pyrazole containing (e.g., including hydrogenated pyrazole, etc.)	68	..Including radiation-conductive screen
		69	..Including conductive base or support
		70	..Radiation-conductive composition contains carbocyclic ring only
		71	...Polycyclo ring system
		72	....Substituted
		73	...Containing amino or substituted amino group

CLASS 430 RADIATION IMAGERY CHEMISTRY: PROCESS, COMPOSITION, OR PRODUCT THEREOF

74	....Alkyl amino group	106.3	....Elemental metal or alloy magnetic component
75	..Radiation-conductive composition contains hetero ring	107.1	....Dry multicolor toner (i.e., composition containing more than one colored toner (e.g., cyan, magenta, and yellow toners, etc.)) with chemically identified colorant or colorant identified by color
76	...The hetero ring has at least nitrogen as a ring hetero atom		
77	....Additional diverse ring hetero atom in the hetero ring		
78	....Polycyclo ring system having the hetero ring as one of the cyclo systems	108.1	....Dry toner with chemically identified adjuvant (e.g., charge control agent, colorant, etc.)
79	.....Carbazole	108.11	....Fluorine compound adjuvant
80	.....Polymer or synthetic resin only	108.14	.....Fluorophosphate salt or fluoroborate salt adjuvant
81	.....Sensitized or doped		
82	.....Dye or pigment		
83	..Sensitized or doped organic radiation conductor	108.15	.....Organic fluorine compound adjuvant containing either nitrogen or phosphorus
84	..Inorganic radiation conductive composition	108.2	....Organic nitrogen or organic phosphorus compound adjuvant
85	...Alloy		
86	...Having more than two constituents	108.21	.....Plural nitrogen or phosphorus atoms attached directly or indirectly to each other by nonionic bonding in the adjuvant
87	...Zinc containing		
88	....And other radiation-conductive material	108.22	.....As a nitrogen- or phosphorus-containing polymer
89	....And nonsensitizing additive other than binder	108.23	.....Azo containing adjuvant
90	....Sensitized or doped	108.24	.....Heavy metal, aluminum, or silicon in the nitrogen or phosphorus compound
91	....Dye or pigment		
92	.....Intercyclic-acyclic -CH= or intercyclic-acyclic chain which contains -CH=	108.3	....Organic heavy metal, aluminum, or silicon compound adjuvant
93	.....Cyanine dye		
94	..Cadmium containing	108.4	....Carboxylic acid or ester compound adjuvant
95	..Sensitized or doped		
96	..Binder for radiation-conductive composition	108.5	....Organic sulfur compound adjuvant
97	..Post imaging process, finishing, or perfecting composition or product	108.6	....Metal oxide compound adjuvant (e.g., Al ₂ O ₃ 'TiO ₂ 'etc.)
100	..Reversal development	108.7	....Inorganic silicon compound adjuvant
101	..Impression development		
102	..Selective toner release	108.8	....Hydrocarbon wax-containing adjuvant
103	..Using development electrode		
104	..Finishing or perfecting composition or product	108.9	....Identified carbon black adjuvant
105	...Developing composition or product	109.1	....Dry toner having chemically identified binder
106.1	....Dry toner containing a chemically identified magnetic component	109.2	.....Epoxy or oxirane compound (e.g., glycidyl, etc.) binder
106.2	.....Binary ferric or ferrous oxide containing magnetic component		

- 109.3Vinyl addition binder (e.g., methacrylate, styrene or vinyl chloride addition products, etc.)
- 109.31Covalent nitrogen in the vinyl addition binder
- 109.4Polyester backbone binder (e.g., condensation reaction product, etc.)
- 109.5Organic nitrogen containing binder (e.g., polyamide, etc.)
- 110.1Identified dry toner physical structure
- 110.2Core-shell structure
- 110.3Identified toner shape (e.g., recited shape parameter, etc.)
- 110.4Having specified toner particle size distribution
- 111.1Chemically identified carrier for dry toner
- 111.2Glass-containing carrier
- 111.3Magnetic carrier
- 111.31Ferrite containing magnetic carrier
- 111.32Ferrite core-resin shell carrier
- 111.33The ferrite contains nonferrous metal oxide
- 111.34Chemically identified elemental magnetic metal or magnetic alloy carrier
- 111.35Chemically or physically identified binder or coating resin for magnetic carrier
- 111.4Identified physical parameter of carrier particle or dry toner particle, etc. (Tg, MW, coercivity, density, etc.)
- 111.41Electrical or magnetic parameter
- 112Liquid
- 113Multiple phase liquid carrier medium, i.e., emulsion
- 114Identified toner, i.e., identified resin coated pigment, etc.
- 115Identified adjuvant, i.e., surfactant, etc.
- 116Identified liquid carrier
- 117.1 ..Liquid development
- 117.2 ...Postdeveloping step
- 117.3Liquid developer removal step
- 117.31Only liquid carrier removal
- 117.32Liquid developer recycling
- 117.4Developed image transfer
- 117.5Fixing developed image
- 118.1 ...Replenishing liquid developer during development
- 118.2 ...Prewetting image carrier immediately prior to development
- 118.3 ...Identified development step (e.g., misting, etc.)
- 118.4 ...Applying electrical bias
- 118.5 ...Pretreatment of developer (e.g., agitating, etc.)
- 118.6 ...Identified developer (e.g., resin-coated pigment structure, etc.)
- 118.7 ...Having identified image carrier
- 118.8Toner particle size
- 119.1Toner polymer composition
- 119.2Block or graft polymer
- 119.3Silicon-containing polymer
- 119.4 ...Halogen-containing liquid carrier
- 119.5 ...Acid or salt adjuvant
- 119.6 ...Identified image carrier
- 119.7 ..With subsequent imaging member cleaning
- 119.71 ...Identified radiation conductive surface
- 119.72 ...Charge transport layer cleaning
- 119.8 ...Using identified cleaning element or material (e.g., brush, etc.)
- 119.81 ...Cleaning with particles (e.g., magnetic brush, etc.)
- 119.82 ...Cleaning with blade
- 119.83Identified blade movement (e.g., vibrated, oscillated, etc.)
- 119.84Polyurethane blade (e.g., polyurethane binder, polyurethane spheres in matrix, etc.)
- 119.85 ...Cleaning with fibrous brush
- 119.86 ...Cleaning away identified component (e.g., toner or toner additive, etc.)
- 119.87 ...With recycling of cleaned developer or developer component
- 119.88Recycling identified toner
- 120.1 ..Dry powder developing

- 120.2 ...To produce named article (e.g., semiconductor, etc.) by dry toner development
- 120.3 ...Magnetic ink character recognition (MICR) article (e.g., production of bank checks, etc.)
- 120.4 ...Postimage processing to change developed image color
- 120.5 ...Simultaneous imaging and developing
- 121.1 ...Cascading powder developing
- 122.1 ...Magnetic brush developing
- 122.2Using identified carrier
- 122.3Hard magnetic (i.e., permanent magnetic) carrier
- 122.4Carrier particle conductivity or resistivity
- 122.5Identified magnetic toner
- 122.51Magnetic monocomponent developer (i.e., toner developer with no carrier)
- 122.52Magnetic toner conductivity or resistivity
- 122.6Identified developer conductivity or resistivity (e.g., carrier, oxide in toner, etc.)
- 122.7Identified magnetic brush speed
- 122.8Identified applied voltage
- 122.9 ...Identified toner orientation
- 123.1 ...Using fur brush
- 123.2 ...Using powder cloud
- 123.3 ...Using chemically identified application member (e.g., donor roll or sleeve, etc.)
- 123.4 ...Developing image on identified imaging member
- 123.41Identified developer composition (e.g., toner, carrier, etc.)
- 123.42Identified imaging member outermost layer
- 123.43Imaging member having both charge generation and charge transport layers
- 123.5 ...Using identified toner (e.g., identified colorant, toner property, etc.)
- 123.51Toner having identified external additive on outside of toner particle (e.g., external fluidity agent, external charge control agent, etc.)
- 123.52 ...Identified melt property of toner or toner component (e.g., melt viscosity, melt index, etc.)
- 123.53Identified modulus of toner or toner component (e.g., elastic modulus, bulk modulus, Young's modulus, etc.)
- 123.54Identified glass transition temperature (T_g)
- 123.55Identified softening point
- 123.56Identified electrostatic property of toner (e.g., triboelectric charge value, etc.)
- 123.57Identified toner colorant (e.g., dye, pigment, etc.)
- 123.58 ...Developing using identified particulate carrier
- 124.1 ..Fixing toner image (i.e., fusing)
- 124.11 ...Simultaneous transferring and fixing
- 124.12 ...Etching, sublimation, or dissolving receiver after fixing
- 124.13 ...Posttreating fixed image (e.g., smoothing, etc.)
- 124.14Sintering fixed image
- 124.15Removing fixed image from receiver
- 124.2Plural fixing of single toner image
- 124.21 ...Fluid (liquid or gas) contact fixing
- 124.22Using liquid polymer or liquid metal
- 124.23 ...Fixing by pressure only (e.g., cold fixing, etc.)
- 124.3 ...Heat fixing using roller or belt (e.g., fuser member, etc.)
- 124.31Heated metal roller
- 124.32Identified roller or belt composition or structure
- 124.33Fluorine-containing resin in surface layer of belt or roller

124.34	.....Applying liquid to roller or belt surface (e.g., release oil applied, etc.)	130	..Thermal or energy treatment of radiation-sensitive layer, e.g., fusing, annealing, or solvent after treatment of radiation-sensitive layer, etc.
124.35	.....Silicone-containing resin in surface of belt or roller		
124.36	.....Applying liquid to roller or belt surface (e.g., release liquid applied, etc.)	131	..Applying subbing layer
		132	..Applying overlayer
124.37	.....Silicone-containing liquid, powder, or solid-treating roller or belt surface layer (e.g., release agent applied to surface, etc.)	133	..Applying radiation-sensitive layer
		134	...Heterogeneous
		135	.Process of making radiation-sensitive composition
124.38	.....Belt or roller has three or more solid layers on support or core	136	..Utilizing high temperature, e.g., by fusing, etc.
		137.1	.Process of making developer composition
124.4	..Noncontact fixing (e.g., flash fusing, etc.)	137.11	..By coating
124.5	...Fixing to identified receiver	137.12	...In situ polymerization to form shell, followed by polymerization to form core
124.51	....Identified receiver surface texture (e.g., fibrous, porous, etc.)	137.13	...Carrier core coating
124.52	....Identified transparent receiver	137.14	..By coalescing or aggregating
124.53	....Polymer or wax receiver surface	137.15	..By polymerization
124.54	.....Polyester	137.16	...Chemical after treating of polymer
125.1	..Postdevelopment treatment of reusable imaging member to remove charges	137.17	...Two-phase polymerization (e.g., oil-water)
125.2	...Optical radiation treatment	137.18	..By milling, grinding, crushing, or comminuting
125.3	..Toner image transfer	137.19	...Milling, grinding, crushing, or comminuting in liquid
125.31	...Removing toner image and layer from imaging member (i.e., with layer stripping or cover layer removal)	137.2	...Milling with subsequent classification
		137.21	..By dry blending developer components
125.32	...Identified intermediate transfer member	137.22	..Making a liquid toner or concentrate
125.33	....Containing silicone or siloxane transfer component	138	MICROCAPSULE, PROCESS, COMPOSITION, OR PRODUCT
125.4	..With intermediate transfer cleaning	139	LUMINESCENT IMAGING
125.5	...Electrostatic transfer of toner image	140	PRODUCT HAVING SOUND RECORD OR PROCESS OF MAKING
125.6	...Identified final receptor	141	DIAZO REPRODUCTION, PROCESS, COMPOSITION, OR PRODUCT
126.1	..Forming overlayer on developed image	142	.Process producing multiple image
126.2	..Postimaging treatment of imaging member (e.g., applying lubricant, etc.)	143	..Color proofing, colloid transfer, or pigment development
127	.Process of making radiation-sensitive product	144	.Powder development of tacky surface
128	..Coating by vacuum deposition	145	.Photomechanical dye image prepared
129	..Extrusion coating		

146	..Diazo-type process, i.e., producing dye image by reacting the diazo or the imaged reaction product of the diazo	169	...Using specific adjuvant other than radiation-sensitive diazo compound
147	..Negative image prepared	170	..Radiation-sensitive composition
148	..To make diazo-type intermediate, black-line image, or continuous-tone image	171	...Diazonium compound containing
149	..Liquid development, e.g., aqueous solution with coupler, etc.	172	....At least two diverse diazonium compounds
150	..Gaseous development, e.g., ammonia vapor, etc.	173	....At least two couplers
151	..Heat development	174	....Includes additional adjuvant other than acidic stabilizer
152	..Vesicular process	175	...Polymeric diazonium compound
153	..Physical development	176	...Polymeric mixture
154	..Composition or product which contains radiation sensitive compound having moiety of nitrogen double or triple bonded directly to nitrogen other than chromophore moiety, e.g., triazene containing product, etc., process of making, and composition or product used to finish or develop a diazo reproduction	177	...Processing ingredient other than coupler or carboxylic acid compound
155	..Product with at least two named layers	178	....Metal salt ingredient
156	...At least two radiation- sensitive layers	179	....Nitrogen atom containing organic ingredient
157	...Diazonium compound containing layer	180	...Naphthol coupler included
158	....Including subbing layer	181	...Phenol coupler included
159	....Silicon, nitrogen, or sulfur compound containing subbing layer	182	...Aceto-aceto or heterocyclic coupler included
160	....Polymer containing subbing layer	183	...P-amino or p-thio benzene diazonium compound
161	....Acid, salt, or ester moiety ingredient containing subbing layer	184	....2,3 substitution of benzene nucleus
162	....Including overlayer or backing layer	185	....Additional substituent on benzene nucleus
163	....Diazonium salt with anion specified	186	....P-substituent is p- heterocyclic amine
164	...Diazo-N-sulfonate containing layer	187	....2,5 substitution of benzene nucleus
165	...Quinone diazide containing layer	188	...Diazo-N-sulfonate containing
166	....Including additional layer	189	...Quinone diazide containing
167	...Azide containing layer	190	...Polymeric quinone diazide
168	..Process of making diazo product	191	...And monomeric processing ingredient
		192	...Polymeric mixture
		193	...O-quinone diazide
		194	...Azide containing
		195	...Polymeric azide
		196	...And monomeric processing ingredient
		197	...Polymeric mixture
		198	VISIBLE IMAGING INCLUDING STEP OF
		199	FIRING OR SINTERING
			TRANSFER PROCEDURE BETWEEN IMAGE
			AND IMAGE LAYER, IMAGE
			RECEIVING LAYERS, OR ELEMENT
			CONTAINING AN IMAGE RECEIVING
			LAYER OR AN INGREDIENT FOR
			FORMING AN IMAGE RECEIVING
			LAYER

200	.Imagewise heating, element or image receiving layers therefor or imagewise vapor and gas transfer process, element or image receiving layer therefor	214	...Having either a nonradiation sensitive scavenger layer, or an ingredient for forming scavenger or barrier layer, or an identified developing agent scavenger
201	..Imagewise vapor or gas transfer process, element or image receiving layer therefor	215	...Identified synthetic polymeric binder contained in nonradiation sensitive processing composition permeable layer other than an image receiving or neutralizing layer
202	.Diffusion transfer process, element, or identified image receiving layers therefor		
203	..By uniform application of heat, element, or image receiving layer therefor	216	...Identified neutralizing layer or ingredient containing or dye stabilizer containing
204	..Making printing plate		
205	...Including imagewise removal of image receiving layer or portion thereof	217	...Silver halide identified-grain, identified emulsion binder other than nominal gelatin, or identified sensitizer or identified desensitizer containing
206	..Web processing of radiation-sensitive layer or imbibition of image receiving layer or image receiving element with processing composition prior to contact with the radiation sensitive element or layer	218	...Identified nondye image forming developing agent, silver halide development accelerator or retarder, or dye image forming accelerator or retarder containing
207	..Element structurally defined other than containing nominal processing composition container or trap, or containing processing composition container or trap made of identified material	219	....Silver halide developing retarder or antifoggant
208	...Having specified processing composition retaining means	220	...Identified light absorbing, whitening, brightening, or reflecting agent other than nominal TiO ₂
209	...Having specified trap	221	.....pH sensitive
210	...Having separable carrier sheet with processing composition container or trap permanently attached thereto	222	...Identified dye image forming compound other than colorless color developer or dye mordant containing or identified organic solvent for an incorporated ingredient
211	..Element or identified image receiving layers for dye image formation	223	....Redox cleavable dye or dye precursor releaser
212	...Element containing silver salt sensitizer or either element or image receiving layer for use therewith	224	....Dye developer or leuco dye developer
		225	.....Azo
213	...Having either an identified dye mordant or image receiving layer binder other than nominal gelatin	226	....Coupler with coupling-off ballast, dye or dye precursor moiety
		227	..Element or image receiving layers for silver salt or silver complex transfer
		228	...Having lenticular or color screen
		229	...Permanent laminate

230	...Identified silver halide grain, silver halide emulsion, binder other than nominally defined gelatin, or silver halide sensitizer or desensitizer containing	248	...Including silver transfer image toning or stabilizing, or separate post transfer treatment of element or layer containing silver image
231	...Identified precipitation nuclei or image receiving layer binder containing other than nominal gelatin	249	...Developing with an identified silver halide developing agent
232	...Identified organic polymeric image receiving layer binder other than nominal gelatin	250	...Hydroxylamine
233	...Identified toning or silver transfer image stabilizing ingredient containing	251	...Processing with identified silver or silver salt complexing agent
234	...Identified developing agent or silver salt complexing agent containing	252	.Image layer portion transfer and element therefor
235	..Dye image formation process	253	..Separating exposed areas from unexposed or underexposed areas of image layer by transfer, element or image receiving layer therefor
236	...Using silver salt sensitizer	254	...Transfer process with uniform heat application and element therefor
237	...Using identified neutralization layer or ingredient or separate post transfer treatment of dye image	255	...Using silver salt sensitizer and element therefor
238	...Using identified dye mordant or binder other than nominal gelatin	256	STRIPPING PROCESS OR ELEMENT
239	...Using identified nondye image forming developing agent, silver development accelerator or retarder, or dye image formation accelerator or retarder	257	.Forming composite image, e.g., multiple stripped image layers, etc.
240	....Development retarder or antifoggant	258	.Forming nonplanar image
241	...Using identified dye forming compound other than colorless color developer or dye mordant or using identified organic solvent	259	.Element
242	....Redox cleavable dye or dye precursor releaser	260	..Stripping layer having radiation polymerizable or cross-linkable composition
243	....Dye developer or leuco dye developer	261	..Strippable between two radiation-sensitive layers
244	..Silver salt transfer process	262	..Stripping layer containing specified synthetic nonradiation sensitive polymer
245	...Exposing through color filter element	263	...From ethylenically unsaturated monomer
246	...Processing permanent laminate	264	SILVER HALIDE COLLOID TANNING PROCESS, COMPOSITION, OR PRODUCT
247	...Having identified precipitation nuclei or identified image receiving binder other than nominal gelatin	265	.Process using lithographic infectious developer
		266	..And polymer or nonpolymer condensation reaction product
		267	..And heterocyclic additive
		268	.Infectious developer composition
		269	IMAGING AFFECTING PHYSICAL PROPERTY OF RADIATION SENSITIVE MATERIAL, OR PRODUCING NONPLANAR OR PRINTING SURFACE - PROCESS, COMPOSITION, OR PRODUCT

270.1	.Radiation sensitive composition or product or process of making	286.1	...Resin or prepolymer containing ethylenical unsaturation
270.11	..Optical recording nonstructural layered product having a radiation sensitive composition layer claimed or solely disclosed as optically reorderable and optically machine readable	287.1	....Ethylenic unsaturation within the side chain component
270.12	...Having read-write layer of 100 percent inorganic composition	288.1	...Plural, terminal unsaturation
270.13	....Which changes phase during recording	289.1	..Radiation sensitive chromium compound
270.14	...Having read-write layer of 100 percent organic or organometallic composition or mixtures thereof	290	.Light scattering or refractive index image formation
270.15	....Containing nonpolymeric chromophore	291	.Post imaging treatment with particles
270.16	.....Organometallic containing	292	.Readily visible image formation
270.17	.....Naphthalocyanine	293	..Color proofing or multicolor image formation
270.18	.....Having methine linkage	294	..By solvent removal
270.19	.....And containing quencher or stabilizer	295	..Making ornamental design
270.2	.....Cyanine chromophore	296	.Electron beam imaging
270.21	.....Indolenic cyanine chromophore	297	.Simultaneous radiation imaging and etching of substrate
271.1	..Identified backing or protective layer containing	298	.Simultaneous radiation imaging and deposition of material on substrate
272.1	..Silicon containing backing or protective layer	299	.Simultaneous developing a resist image and etching a substrate
273.1	..Identified overlayer on radiation-sensitive layer	300	.Making printing plates
274.1	..And radiation-sensitive chromium compound	301	..Multicolor
275.1	..Metal as backing or protective layer	302	..Lithographic
276.1	....And another backing or protective layer other than aluminum oxide	303	...Driography
277.1	....Copper	304	...Coating over colloid image and removal of colloid image to leave reversed image in coating, i.e., deep etch
278.1	....Aluminum	305	...Continuous tone or collotype
279.1	....Zinc or magnesium	306	..Relief
280.1	..Radiation sensitive composition comprising oxirane ring containing component	307	..Intaglio or gravure
281.1	..Radiation sensitive composition comprising ethylenically unsaturated compound	308	..Stencil
282.1	...N-vinylidene	309	..Post imaging process
283.1	...Amide	310	...Including etching of substrate
284.1	....Urethane	311	.Making electrical device
285.1	...Polyester	312	..Including multiple resist image formation
		313	..With formation of resist image, and etching of substrate or material deposition
		314	...Etching of substrate and material deposition
		315	...Material deposition only
		316	...Multiple etching of substrate
		317	...Insulative or nonmetallic dielectric etched
		318	...Metal etched
		319	..Named electrical device
		320	.Making named article
		321	..Optical device
		322	.Forming nonplanar surface

323	..Including etching substrate	357	COLOR IMAGING PROCESS
324	..Including material deposition	358	.Color proofing
325	..Post image treatment to produce elevated pattern	359	.Color correcting
326	...Pattern elevated in radiation unexposed areas	360	..Correcting by silver image
327	.Processing feature prior to imaging	361	..Correcting by color image produced by oxidizing bath treatment
328	.Post imaging radiant energy exposure	362	..Correcting by interimage effect
329	.Removal of imaged layers	363	.Laser or radiation exposure other than visible light
330	.Including heating	364	.Forming combined chromatic and achromatic images
331	.Finishing or perfecting composition or product	365	.Forming multicolor image in a single layer
332	DYE IMAGE FROM RADIATION SENSITIVE DYE OR DYE FORMER BY DRY PROCESSING, COMPOSITION, OR PRODUCT	366	.Resensitizing
333	.Multiple image formation, multiple image exposure, or simultaneous radiant energy exposure	367	.Chromatic image produced from achromatic reproduction image
334	.Positive image formation from radiation sensitive dye former	368	..Blue or brown print forming
335	.Pretreatment processing before imaging, e.g., overall radiant energy exposure, etc.	369	..Viewing through either a colored filter or a colored light
336	.Developing latent image using radiant energy or heat	370	..Toning
337	.Fixing or stabilizing image	371	.Mordanting
338	.Composition or product	372	.Stabilizing
339	..Radiation sensitive bleachable dyestuff	373	.Intensifying
340	..Identified sensitizer containing	374	.Using identified radiation sensitive composition in the formation of color image
341	...Metal salt or complex	375	..Silver compound sensitizer
342	...Sulfur compound	376	...And coupler
343	...Heterocyclic	377	....And binder, coating aid, solvent, emulsifier, hardener, chemical sensitizer, or optical sensitizer
344	...Halogen compound	378	....Direct positive process
345	..Spiropyran dye or dye former	379	....Reversal process
346	VISIBLE IMAGING USING RADIATION ONLY OTHER THAN HEATING BY SURFACE CONTACT OR CONVECTION	380	....And developer other than or in addition to p- phenylenediamine or derivative thereof
347	COMBINED	381	....Polymeric or bis coupler
348	THERMOGRAPHIC PROCESS	382	....And either developing or dye inhibition
349	.Heat applied before imaging	383	....Forming multicolor image
350	.Heat applied after imaging	384	....Identified cyan dye color
351	..Color development	385	.....Substituted at coupling position with other than hydrogen
352	..During stabilization	386	....Identified magenta dye color
353	..During dry development	387	.....Substituted at coupling position with other than hydrogen
354	...Including generation of vapor, moisture, etc.	388	....Identified yellow dye color
355	..During solvent development		
356	ACHROMATIC IMAGE PRODUCED FROM CHROMATIC REPRODUCTION IMAGE		

389	.....Substituted at coupling position with other than hydrogen	423	.Treating with processing composition after imaging prior to developing
390	...And dye	424	..Desensitizing
391	...Forming multicolor image	425	..Sensitizing
392	...And dye catalyst	426	..Prehardening
393	..Silver bleach or bleach-fix	427	.Treating with process composition between standard develop and fix-wash
394	PLURAL EXPOSURE STEPS		
395	USING REFLECTED RADIATION, E.G., REFLEX COPYING, ETC.	428	.Stabilizing
396	EFFECTING FRONTAL RADIATION MODIFICATION DURING EXPOSURE, E.G., SCREENING, MASKING, STENCILING, ETC.	429	..Containing additive
397	.Involving motion during exposure, e.g., dodging, etc.	430	.Bleaching
398	REGENERATING IMAGE PROCESSING COMPOSITION	431	..Using silver and dye bleach
399	.Developer	432	.Including post developing step
400	.Bleach-fix	433	.Developing in acid medium
401	POST IMAGING PROCESSING	434	.Developing
402	.Achromatic image from organic compound	435	..Using identified developer
403	.With structural limitation	436	...Plural identified developers
404	.Using web or gel	437	....Three or more identified developers
405	.Containing developer in element	438	....Containing hydroquinone
406	.Positive	439	....And amino substituted carbocyclic compound
407	..Reversal	440	...Heterocyclic
408	..Photosolubilization	441	...Carbocyclic
409	..Emulsions fogged during processing	442	...Amino substituent on carbocyclic ring
410	...Identified nucleating or fogging agent	443	...Having developer releasing compound
411	..Using fogged emulsion	444	..Using polymer or condensation reaction product
412	...Identified electron acceptor or desensitizer containing	445	..Using mercapto or thione compound
413	.Physical developing	446	..Using heterocyclic compound
414	..Amplifying	447	..Using inorganic or organometallic complex
415	..With processing ingredient in element	448	..Using processing ingredient in element
416	..Silver halide as radiation sensitive medium	449	NONRADIATION SENSITIVE IMAGE PROCESSING COMPOSITIONS OR PROCESS OF MAKING
417	..Radiation reducible metal compound directly produces catalytic metal nuclei in image area	450	.Process of preparing composition from plural preformed concentrates
418	.Disparate function simultaneous process step	451	.Hardener
419	..Develop-fix	452	..Develop-harden
420	..Develop-harden	453	..Fix-harden
421	.Using plural sequential baths of same type	454	.Shortstop
422	.Treating with processing composition prior to imaging and then developing	455	.Fixer
		456	..And developer
		457	...Forming dye image
		458	..Dry or concentrated
		459	..Plural fixers
		460	..And bleach
		461	.Bleach or intensification

462	..Dye bleach for color image	499	...With feature to control spreading of processing ingredient
463	.Wash or aftertreat		
464	.Developer		
465	..Solid or dry	500	...Roll film
466	..Concentrated or viscosity increasing agent containing	501	..Roll film
467	..Color developer	502	..Two or more radiation-sensitive layers containing other than that characterized by the composition of a single sensitive layer
468	...Additional developer containing		
469	...Including developing accelerator	503	..Layers sensitive to different spectral regions
470	..Coupler containing		
471	...And additional reactive compound containing	504	...Ingredient for color compensation or correction containing
472	...Substituted at coupling position with other than hydrogen	505	...Developing inhibitor or processing ingredient containing
473	...Phenol or naphthol coupler		
474	...Pyrazolone coupler	506	...And containing plural layers sensitive to the same spectral region
475	...Open-chain keto methylene coupler		
476	...Heterocyclic coupler	507	...Filter layer containing
477	..Reducible metal compound including reducing agent, i.e., physical developer	508	..Sensitive to portion only of visible spectrum or of widened spectral response
478	..Plural developer agents containing	509	..Sensitive layers differ in speed
479	..Heavy metal organic or inorganic	510	..Antihalation or filter layer containing
480	...Heterocyclic developer	511	..Filters differing spectral regions in different areas of the filter, e.g., color screen
481	...And hydroquinone		
482	..Methyl-p-aminophenol and dihydroxy benzene	512	..Filters ultraviolet radiation
483	..Heterocyclic developers	513	..Dissolvable or removable
484	..Amine developer	514	...Synthetic resin containing
485	..Hydroxy developer	515	...Carbohydrate or derivative containing
486	..Processing additive containing		
487	...Accelerator	516	...Contains carboxyl groups
488	...Antisludgant	517	..Organic dye or pigment containing
489	...Antifoggant	518	...And mordant
490	...Stabilizer-preservative	519	...Azo
491	...Sequestrant	520	...Triarylmethane
492	...Buffer	521	...Anthraquinone or quinhydrone
493	...Surfactant, emulsifier, or solvent	522	...Intercyclic methine or azomethine and cyclic ring containing
494	INCLUDING EXPOSURE STEP OR SPECIFIED PRE-EXPOSURE STEP PERFECTING EXPOSURE	523	..Identified backing or protective layer containing
495.1	RADIATION SENSITIVE PRODUCT		
496	..Structurally defined	524	..Metal
497	..With processing ingredient container or trap	525	...And another backing layer other than aluminum oxide
498	...Container or trap intended to remain in finished product	526	...Aluminum
		527	..Antistatic agent containing
		528	...Ammonium salt

529	...Organic carboxylic, sulfur or phosphorus acid or salt	561	....Azo dye
530	...Elemental metal or metal salt	562	.....Monoazo
531	..Synthetic resin or cellulose derivative containing	563	.....Diazo
532	...Subjected to radiation, flame, or corona discharge	564	.Silver compound sensitizer containing
533	...Polyester or polycarbonate	565	..Achromatic image forming organic compound
534	....Next to polymer of unsaturated monomer	566	..Developing or fixing agents containing for liquid processing
535	.....Polymer of unsaturated ester or halide	567	..Silver compound having specified crystal form, habit, particle size or particle size distribution
536	...Polymer of unsaturated monomer	568	...Having particle size of 100 millimicrons or less, e.g., Lippmann type, etc.
537	....In nonradiation-sensitive layer including gelatin	569	..Including manipulative emulsification step
538	..Fibrous, e.g., paper, textile, etc.	570	..Spectral sensitizing
539	..Gelatin other than radiation sensitive type	571	...Mixed grain
540	.Iron compound sensitizer containing	572	...Multiple sensitizers or supersensitizing
541	.Identified radiation sensitive composition with color producing substance	573	....Polyheteronuclear sensitizer
542	..Silver compound sensitizer	574	....Two or more cyanine sensitizers
543	..Coupler containing	575	....Inorganic material containing
544	....And development inhibitor or development inhibitor releasing agent	576	....Cyanine sensitizer
545	....And identified binder	577	.....Merocyanine compound
546	....And solvent or emulsifier or coating aid	578	...Polyhetero nuclear containing at least three heterocyclic nuclei
547	....Direct positive	579	...Four or more distinct heterocyclic nuclei
548	....Polymeric or bis coupler	580	...Styryl sensitizer
549	....Mixture of couplers	581	...Cyanine sensitizer
550	....And chemical or optical sensitizer	582	...Methine linked six-membered heterocyclic rings
551	....And antifoggant or color stabilizer	583	...Containing odd number of methine groups
552	....Phenol or naphthol coupler	584	.....Five or more methine groups
553	.....Substituted at coupling position with other than hydrogen	585	.....Three methine groups, i.e., carbocyanines
554	....2-pyrazolin-5-one coupler	586	.....Linking six-membered hetero to five-membered hetero
555	.....Substituted at coupling position with other than hydrogen	587	.....Hetero ring bridged or fused to hetero ring
556	....Open chain keto-methylene coupler	588	.....Hetero rings bridged or fused to carbocyclic rings
557	.....Substituted at coupling position with other than hydrogen	589	.....Direct positive
558	....Heterocyclic coupler	590	.....Only one hetero ring fused or bridged to carbocyclic ring
559	...Dye containing	591	...Two or more separate ring structures
560	....And optical sensitizer		

592	....Intercyclic methine chain sensitizier	625	....Aziridine
593	....Methine linked hetero ring with hetero group bridged or fused thereto	626	....Triazine including hydrogenated triazine
594	.....One or both methine linked rings carbocyclic	627	..Resin or synthetic polymer containing
595	.....Odd number of carbons in acyclic methine chain	628	...Protein or other natural colloid or derivative containing
596	..Fogged direct positive	629	...Sulfur or sulfur compound containing
597	..Identified desensitizer or electron acceptor containing	630	...Heterocyclic compound containing, e.g., heterocyclic monomer, etc.
598	..Fogging or nucleating agent containing	631	..Film or film coating improvement ingredient containing, e.g., wetting agent, coating aid, plasticizer, antistatic agent, etc.
599	..Hypersensitizing or latensifying ingredient containing	632	...Rosin acid or derivative
600	..Heterocyclic N, O, S, Se, or Te compound containing	633	...Higher fatty acid or derivative
601	...Phosphorus compound	634	...Polycarboxylic or polysulfoxy acid or derivative
602	...Polyoxyalkylene compound	635	...Carboxylic acid or derivative
603	...S, Se, or Te or compound thereof	636	...Sulfoxy compound or derivative
604	...Heavy metal or compound thereof	637	...Polyglycidol, polyglycol, polyoxyalkylene oxide, or ether or ester thereof
605	....Noble metal or compound thereof	638	...Alkyl or cycloalkyl alcohol or ether or ester thereof
606	..Desensitizing ingredient containing	639	..Carbohydrate or derivative containing
607	..Stabilizing or fog inhibiting ingredient containing	640	...Gelatin or derivative containing
608	...Inorganic material	641	...Cellulose or derivative, e.g., regenerated cellulose, etc.
609	...Synthetic organic polymer	642	..Gelatin or derivative containing
610	...Phosphorus compound	643	..Casein or derivative containing
611	..Mercaptan, thioether, thione, disulfide or organic bisulfite	644	MISCELLANEOUS
612	...Organic metal compound		
613	..Heterocyclic compound		
614	....Polyhetero atom ring		
615	.....Polyhetero atom ring fused to another ring having polyhetero atoms		
616	..Composition for visible imaging by radiation only		
617	..Silver compound other than halide, per se, or composition for thermographic process		
618	...Organic silver compound containing		
619	....And inorganic silver compound		
620	....Silver salt of organic acid		
621	..Hardening ingredient containing	900	.Donor-acceptor complex photoconductor
622	..Vinylidene compound	901	.Photoconductor powder
623	...Heterocyclic compound		
624	....Epoxide, i.e., oxirane		

CROSS-REFERENCE ART COLLECTIONS

**ELECTRIC OR MAGNETIC IMAGERY,
E.G., XEROGRAPHY,
ELECTROGRAPHY, MAGNETOGRAPHY,
ETC., PROCESS, COMPOSITION, OR
PRODUCT**

902	.Electrically charging radiation- conductive surface	935	COATING PROCESS MAKING RADIATION SENSITIVE ELEMENT
970	.Radiation sensitive composition or product containing specified antioxidant	936	COBALT COMPLEX CONTAINING
903	.One component toner	937	CORONA DISCHARGE PROCESS
904	.Polymer in developer	938	DEFECT COATING
	IMAGING AFFECTING PHYSICAL PROPERTY OR RADIATION SENSITIVE MATERIAL, OR PRODUCING NONPLANAR OR PRINTING SURFACE - PROCESS, COMPOSITION, OR PRODUCT	939	DIMENSIONALLY STABLE MATERIAL
	.Radiation sensitive composition or product or process of making	940	DIRECT POSITIVE MATERIAL
905	..Binder containing	941	DYE MORDANT
906	...Polyamide or polyurethane	942	ELECTRON BEAM
907	...Polyolefin or halogen containing	943	HYDROGEN PEROXIDE TREATMENT
908	...Polyester	944	INFRARED
909	...Vinyl alcohol polymer or derivative	945	LASER BEAM
910	...Polymer of unsaturated acid or ester	946	LENTICULAR
911	...Cellulosic	947	LIGHT SENSITIVE TITANIUM COMPOUND CONTAINING
912	..With plasticizer	948	LIPPMANN
913	..Initiator containing	949	LITHOGRAPHIC EMULSION
914	...Cationic or anionic	950	MATTING OR OTHER SURFACE REFLECTIVITY ALTERING MATERIAL
915	...Redox or dye sensitizer	951	MAKING CAMERA COPY, E.G., MECHANICAL NEGATIVE, ETC.
916	...Free radical	952	MULTIPLE IMAGE PRODUCING ON SINGLE RECEIVER
917	...With inhibitor or stabilizer	953	NEUTRON BEAM
918	...Hydroxyl or carbonyl group containing as sole functional groups	954	NONRESINOUS ADDITIVE TO PROMOTE INTERLAYER ADHESION IN ELEMENT PRECURSOR COMPOUND
919	...Nitrogen compound containing	955	.Interlayer correction coupler (ICC)
920	...Nitrogen in heterocyclic ring	956	.Development inhibitor releaser (DIR)
921	...Sulfur compound containing	957	.Development dye releaser (DDR)
922	...Sulfur in heterocyclic ring	958	.Blocked developers
923	...Carbonyl compound containing	959	.Blocked restrainers
924	...Carbonyl in heterocyclic compound	960	PROTECTIVE OR ANTIABRASION LAYER
925	...Halogen compound containing	961	RADIATION-CHROMIC COMPOUND
926	..Spectral sensitizer containing	962	RAPID ACCESS PROCESSING
927	..Radiation-activated cross- linking agent containing	963	THERMAL IMAGING COMPOSITION
928	AERIAL FILMS OR PROCESSES SPECIFICALLY ADAPTED FOR AERIAL RADIATION IMAGERY	964	TONER CONTAINING
929	ANTIBRONZE AGENT OR PROCESS	965	X-RAY
930	ANTICURL LAYER	966	.X-ray exposure process
931	ANTI-ULTRAVIOLET FADING	967	
932	BINDER-FREE EMULSION		
933	BRIGHTENER CONTAINING		
934	CINE FILM		
			<u>FOREIGN ART COLLECTIONS</u>
			FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents or nonpatent literature from subclasses that have been reclassified have been transferred directly to the FOR Collections listed below. These Collections contain ONLY foreign patents or nonpatent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

FOR 117 ..Cleaning radiation-conductive surface (430/125)
FOR 118 ..Transfer of image to different surface (430/126)

**ELECTRIC OR MAGNETIC IMAGERY,
E.G., XEROGRAPHY,
ELECTROGRAPHY, MAGNETOGRAPHY,
ETC., PROCESS, COMPOSITION, OR
PRODUCT (430/31)**

FOR 100 .To produce color reproduction
(i.e., color named, or more
than one color specified)
(430/42)

FOR 101 ..Color correction (430/43)

FOR 102 ..Manipulation of color
separation image to obtain
multicolor image in
registration (430/44)

FOR 103 ..Identified developing
composition or identified
developing feature (430/45)

FOR 104 ..Identified radiation-conductive
element or composition (430/
46)

FOR 105 ..Identified receptor or named
image transfer feature (430/
47)

FOR 106 .To produce printing surface
(430/49)
.Post imaging process, finishing,
or perfecting composition or
product (430/97)

FOR 107 ..Fixing image by pressure only
(430/98)

FOR 108 ..Fixing image by heated metal
roller (430/99)

FOR 109 ..Liquid development (430/117)

FOR 110 ..Wetting development (430/118)

FOR 111 ..Charged solid particles
deposited out of insulating
liquid carrier (430/119)

FOR 112 ..Dry powder developing (430/120)

FOR 113 ..Cascade (430/121)

FOR 114 ...Using magnetic brush (430/122)

FOR 115 ...Using fur brush (430/123)

FOR 116 ..Fixing image (430/124)