

1	<b>HOLOGRAPHIC SYSTEM OR ELEMENT</b>	197.1	.Using a periodically moving element
2	.Authentication		
3	.Having particular recording medium	198.1	..With particular mount or driver for element
4	..Recyclable	199.1	...Oscillating driver
5	...Magnetic material	199.2	....Electrostatically driven
6	...Sandwich having photoconductor	199.3	....Electromagnetically driven
7	...Crystalline material	199.4	....Electromechanically driven
8	..Having nonplanar recording medium surface	200.1	...Bearing or shaft for rotary driver
9	.For synthetically generating a hologram	200.2	....Specific shaft material or structure (e.g., ceramic ring)
10	.Using modulated or plural reference beams	200.3	.....Grooved shaft
11	..Spatial, phase or amplitude modulation	200.4	....Fluid pressure bearing
12	.Copying by holographic means	200.5	.....Dynamic fluid bearing
13	.Head up display	200.6	...Electrostatic driver
14	..Hologram on curved substrate	200.7	...Electromagnetic driver
15	.Using a hologram as an optical element	200.8	...Electromechanical driver
16	..With aberration correction	201.1	..With multiple scanning elements (e.g., plural lenses, lens and prism, etc.)
17	..Scanner	201.2	...Reflective element (e.g., mirror, reflector, etc.)
18	..Flat rotating disk	202.1	...X-Y scanners
19	..Lens	203.1	...Having a common axis or rotation
20	..Multiple point hologram (e.g., fly-eye lens, etc.)	204.1	..Utilizing multiple light beams
21	.Having defined page composer	204.2	...Including modulated light beam
22	.For producing or reconstructing images from multiple holograms (e.g., color, etc.)	204.3	...Including polarized light beam
23	..Holographic stereogram	204.4	...Having multiple light beams with visible wavelengths
24	..Superimposed holograms only	204.5	...With diffraction grating
25	..Discrete hologram only	205.1	..Post scanning optical element
26	...Sequential frames on moving film	206.1	...High distortion lens (e.g., f-Theta lens)
27	.Having particular laser source	207.1	...Anamorphic elements
28	.Having multiple object beam or diffuse object illumination	207.2	....Having an aspheric surface
29	.Fourier transform holography	207.3	.....Multiple aspheric surfaces
30	.Having optical element between object and recording medium	207.4	.....Multiple symmetrical aspheric surfaces
31	..Focused image holography	207.5	.....Multiple nonsymmetrical aspheric surfaces
32	.For reconstructing image	207.6	...Cylindrical or toric lens
33	..Real image	207.7	...With diffraction portion or element
34	.With optical waveguide	207.8	...With reflecting prism
35	.Hardware for producing a hologram	207.9	...Polarized beam
107	<b>OPTICAL COMPUTING WITHOUT DIFFRACTION</b>	207.11	...Thermal compensation
108	.Logic gate	208.1	...Concave reflector
196.1	<b>DEFLECTION USING A MOVING ELEMENT</b>	208.2	....Aspheric reflector
		209.1	..Transmissive type moving element
		210.1	...Moving lens

210.2	....Rotational Lens	230	.Electro-mechanical
211.1	...Moving prism	231	..String or ribbon type
211.2	....Rotating prism	232	.Slit type
211.3	.....Multiple prisms	233	.With relative motion of two apertured elements
211.4	....With angled axis of rotation	234	.With rotating or pivoting element (e.g., scanning discs)
211.5	....Rotating element	235	..Continuously rotating apertured element
211.6	....With diffraction grating	236	..Element rotates about axis perpendicular to light path
212.1	..reflective type moving element	237	<b>OPTICAL MODULATOR</b>
212.2	..Rotating reflective element	238	.Light wave temporal modulation (e.g., frequency, amplitude, etc.)
213.1	...Oscillating reflective element	239	..Modulator output feedback to modulator
214.1	....Single plane mirror	240	..Changing bulk optical parameter
215.1	.....With imaging lens	241	...By actinic radiation (e.g., photochromic)
216.1	..Multifaceted rotating element	242	....Display device
218.1	....Having six, seven, or eight facets	243	....Bistable device
219.1	....Having five or fewer facets	244	....Opto-optical device
219.2	....Inclined reflective elements	245	...Electro-optic
217.1	....With facet plane substantially parallel to rotating axis plane	246	...Modulation of polarized light via modulating input signal
217.2	....With beam modulation	247	....Using reflective or cavity structure
217.3	....Having vibration absorbing means	248	.....Semiconductor
217.4	....With diffractive element	249	.....Compensation technique
220.1	..Rotation axis transversely oriented relative to reflective element	250	.....Using plural mediums
221.1	...Having planar rotating reflector with co-planar axis of rotation	251	.....With particular direction of the field in relation to the medium, beam direction or polarization
221.2	..With particular mount or drive for element	252	....With particular medium or state of the medium
221.3	..Bearing or shaft for rotary driver	253	.....Liquid medium
221.4	...Specific shaft material or structure (e.g., ceramic ring)	254	....With particular electrode structure or arrangement, or medium mounting structure or arrangement
222.1	..By frustrated total internal reflection	255	....With particular field
223.1	..By moving a reflective element	256	....With birefringent element
224.1	..Reflective element moved by deformable support	257	....Pockels cell
224.2	..Modulated light beam	258	....Kerr cell
225.1	..Pivotal or moving in circular arc	259	...Plural modulation cells
226.1	..Rotating	260	...Etalon structure
226.2	..Pivotal or rotational element	261	...Multiple reflections within cell
226.3	..Fluid filled medium	262	....Excitation by electron beam
227	<b>LIGHT CONTROL BY OPAQUE ELEMENT OR MEDIUM MOVABLE IN OR THROUGH LIGHT PATH</b>	263	....By reflection
228	..Fluid	264	....Pulse modulation
229	..With glare or flicker elimination		

265	....Electrochromic	298	.Light wave directional modulation (e.g., deflection or scanning is representative of the modulating signal)
266	.....Particular nonplanar electrode arrangement	299	..Opto-optical device
267	.....Reflection-type (e.g., display device)	300	..Phase conjugate
268	.....Complementary device	301	..Acting on polarized light
269	.....Particular counter electrode	302	...Using reflecting or cavity structure
270	.....Particular electrolyte layer	303	...Using more than one polarization (e.g., digital)
271	.....Particular planar electrode pattern	304	...Using single polarization
272	.....Liquid cell	305	..Acousto-optic
273	.....Particular electrochromic layer structure	306	...Correlation or convolution
274	.....Diverse layer	307	...Utilizing optical feedback
275	....Transmission-type (e.g., windows)	308	...Filter
276	...Amplitude modulation	309	...Acting on polychromatic light
277	....Within display element	310	...Plural cell array
278	...Frequency modulation	311	...Plural transducers on single cell
279	...Phase modulation	312	...Single transducer generating composite plural frequency acoustic wave
280	..Magneto-optic	313	...Particular cell shape
281	...Modulation of polarized light via modulating input signal	314	...Particular cell orientation
282	.....Using layered structure or plural mediums	315	..Electro-optic
283	.....With particular direction of the field in relation to the medium, beam direction or polarization	316	...Plural modulation cells
284	...Amplitude modulation	317	...Multiple reflections within cell
285	...Acousto-optic	318	...By reflection
286	...Amplitude modulation	319	...Focusing
287	...Frequency modulation	320	...Switching
288	...Thermo-optic	321	.Having particular chemical composition or structure
289	...Amplitude modulation	322	..Electro-optic crystal material
290	..By changing physical characteristics (e.g., shape, size or contours) of an optical element	323	...PLZT material
291	...Shape or contour of light control surface altered	324	..Magneto-optic crystal material
292	....Light control surface forms image on projected light beam	325	<b>OPTICAL DEMODULATOR</b>
293	.....Electron beam causes surface alteration	326	<b>OPTICAL FREQUENCY CONVERTER</b>
294	....Using photoconductive layer	327	.Raman type
295	....Having multiple electrodes	328	.Harmonic generator
296	...Changing position or orientation of suspended particles	329	..Third harmonic
297	...Light control surface formed or destroyed	330	.Parametric oscillator
		331	.Optical laser acoustic delay line type
		332	.Dielectric optical waveguide type
		333	<b>OPTICAL AMPLIFIER</b>
		334	.Raman or Brillouin process
		335	.Free electron
		336	.Bistable
		337	.Correction of deleterious effects

337.1	..Spectral gain flattening or equalization	357	...Having four or more components
337.11	...Feedback	358	.Fluid filter or fluid mirror
337.12	....Using number of signals	359	.Multilayer filter or multilayer reflector
337.13	....Adjusting input signal power	360	..Having metal layer
337.2	..Filtering (e.g., noise)	361	.Having ultraviolet absorbing or shielding property
337.21	...Grating	362	<b>COMPOUND LENS SYSTEM</b>
337.22	...Interferometer or interference	363	.With image recorder
337.3	..Additional dopant or host composition	364	.With curved reflective imaging element
337.4	..Complementary, adjusting stages	365	..Two or more in a series
337.5	.Dispersion compensation	366	...Concave, convex combination
338	..Using phase conjugation	367	.Right angle inspector
339	..Using saturable or spatial filter	368	.Microscope
340	.Mode locked	369	..With viewed screen
341.1	.Optical fiber	370	..Interference
341.2	..Bi-directional	371	...Using polarized light
341.3	..Pumping	372	..With plural optical axes
341.31	...Operating frequency	373	...Side-by-side fields
341.32	...Radiation routing	374	...Plural oculars
341.33	...With multiple systems	375	....Binocular
341.4	..Feedback	376	.....Stereoscopic
341.41	...Automatic Gain Control (AGC)	377	.....With single or parallel objectives
341.42	...Automatic Level Control (ALC)	378	.....For viewing stereo pairs
341.43	...Surge protection	379	..Spacing of optical elements axially adjustable
341.44	...Fault detection	380	...Variable magnification
341.5	..Composition (e.g., Tm, Tb, Eu, Ho, Dy, Nd)	381	..Imaging elements movable in and out of optical axis
342	.Particular active medium (e.g., crystal, plasma, fluid, etc.)	382	..Entire microscope adjustable along optical axis
343	..Glass (amorphous)	383	...Focus adjustment
344	..Semiconductor	384	..With rotatable adjustment
345	.Particular pumping type (e.g., electrical, optical, nuclear, magnetic, etc.)	385	..Illuminator
346	.Particular resonator cavity (e.g., scanning, confocal or folded mirrors, etc.)	386	...Using polarized light
347	.Multiple pass	387	...With annular lighting structure
348	..Regenerative	388	...With optical switching means
349	.Beam combination or separation	389	...With illumination and viewing paths coaxial at the image field
350	<b>HAVING SIGNIFICANT INFRARED OR ULTRAVIOLET PROPERTY</b>	390	...With illuminator support
351	.Having folded optical path	391	..Stage or slide carrier
352	.Having polarizing element	392	...Adjustable along optical axis
353	.Including alternative optical path or optical element (e.g., day-night, hi-low magnification)	393	...With plural transverse movements
354	.Including continuously variable magnification or focal length (zoom lens, adjustable lens)	394	...With turntable
355	.Lens, lens system or component	395	...With temperature control
356	..Infrared lens	396	..Transparent slide
		397	...Reference lines or grids
		398	...Specimen cavity or chamber
		399	.Telescope

400	..With viewed screen	442	...Along scale or indicia
401	..With image anti-rotation	443	<b>PROJECTION SCREEN</b>
402	..Periscope	444	.With sound producer
403	...With plural optical axes	445	.Acoustical
404	....Binocular	446	.Moving during projection
405	...With mechanical adjustment	447	.Tracing (e.g., camera lucida, etc.)
406	....Extensible structure	448	.With lens (e.g., camera obscura, etc.)
407	..Binocular	449	.With reflector or additional screen
408	...Foldable or collapsible	450	.Border, mask, shade, or curtain
409	...Body supported or with handle	451	.Curved
410	....With focusing means	452	.Embedded particles
411	....With adjustable interocular distance	453	..Rear projection screen
412	...With adjustable interocular distance	454	.Unitary sheet comprising plural refracting areas
413	....Oculars swing about central axis	455	..Lenticular
414	....Spacing of optical elements axially adjustable	456	...Rear projection screen
415	....Oculars rotate about separate axes	457	...With Fresnel lens
416	....Spacing of optical elements axially adjustable	458	...Stereoscopic imaging or three dimensional imaging
417	....Spacing of optical elements axially adjustable	459	.Unitary sheet comprising plural reflecting areas
418	...Spacing of optical elements axially adjustable	460	.Rear projection screen
419	..With plural optical axes	461	.Roll up screen
420	...Plural magnification in same viewing field	462	<b>STEREOSCOPIC</b>
421	..Selectable magnification	463	.Having record with lenticular surface
422	..Variable magnification	464	.With right and left channel discriminator (e.g., polarized or colored light)
423	..With relay	465	..Using polarized light
424	...With reticle	466	.Stereo-viewers
425	..Focusing or relatively sliding barrels	467	..View changers
426	...Internal focusing	468	...Picture moves linearly past viewing aperture
427	...With reticle	469	....Using film strips
428	..With reticle	470	..Compensates for camera position (e.g., plotting or mapping type)
429	..With line of sight adjustment	471	..Reflected line of sight
430	...Equatorial mount	472	...Pictures offset, transposed or have respective right or left sides adjacent
431	..With prism or U-shaped optical path	473	..Ocular spacing or angle between ocular axes adjustable
432	.Variable magnification	474	..Collapsible
433	.With tilted lens or tilted image plane	475	..Having illumination
434	.With relay	476	..Ocular to picture distance adjustable
435	.Repetitious lens structure	477	..Supporting, mounting, enclosing or light shielding structure
436	<b>SCALE OR INDICIA READING</b>	478	<b>RELIEF ILLUSION</b>
437	.Polarizer	479	.Reflected line of sight
438	.Prism		
439	.Mirror		
440	.Lens		
441	..Movable or adjustable		

480	<b>BINOCULAR DEVICES</b>	489.11	...Film or layer
481	.Binocular loupe type	489.12	....Uniaxial
482	.Reflected line of sight	489.13	....Biaxial
483.01	<b>POLARIZATION WITHOUT MODULATION</b>	489.14	..Lens
484.01	.Polarization using a time invariant electric, magnetic, or electromagnetic field (e.g. electro-optical, magneto- optical)	489.15	..Plural birefringent elements
484.02	..Faraday effect	489.16	...Three or more birefringent elements
484.03	...Isolator	489.17	...In parallel
484.04	...With reflector	489.18	...With lenses
484.05	..Circulator	489.19	...Frequency filter or interference effects
484.06	..Optical switch	489.2	..Mounting structure
484.07	..Interleaver	490.01	.By relatively adjustable superimposed or in series polarizers
484.08	..Attenuator	490.02	..Rotating elements
484.09	...Interference or comb filter	490.03	..Translating or sliding elements
484.1	...With particular Faraday effect material	491.01	.With color filter
485.01	.Polarization by reflection or refraction	492.01	.Polarization by optical activity
485.02	..Brewster angle polarizer (reflective or transmissive)	493.01	.Polarization by scattering
485.03	..Multilayer polarizer	494.01	.Depolarization
485.04	...Pile-of-plates polarizer	503	<b>EXTENDED SPACING STRUCTURE FOR OPTICAL ELEMENTS</b>
485.05	..Wire grid polarizer	504	.Wide angle (e.g., door peep)
485.06	..Prism	505	.With screen or reticle in real image plane
485.07	..Mirror	506	.Extension of tubular element adjustable
486.01	.Polarization (direction or magnitude) variation over surface of the medium	507	<b>PROTECTION FROM MOISTURE OR FOREIGN PARTICLE</b>
486.02	..Linear variation	508	.Optical element rotates
486.03	..Radial variation	509	.Fluid directed across optical element
487.01	.Polarization by dichroism	510	.Microscope drape
487.02	..With stain or dye	511	.Cap or cover
487.03	..Wire grid polarizer	512	.Humidity or temperature control
487.04	..Wavelength-selective beamsplitter	513	.Sealing
487.05	..Having plural elements	514	..Mirror, prism or signal reflector
487.06	..Oriented particles	515	<b>SIGNAL REFLECTOR</b>
488.01	.Glare prevention by discriminating against polarized light	516	.Body carried
489.01	.Polarization by birefringence	517	..Worn by hand or wrist
489.02	..With compensation techniques	518	..Permanently fixed to clothing
489.03	...Intrinsic birefringence or photoelastic (stress) effect	519	..Worn over clothing
489.04	...Temperature	520	.Moving
489.05	...Path length	521	..Pedal mounted
489.06	..Form birefringent element	522	..Rotating
489.07	..Waveplate or retarder	523	...Spoke mounted
489.08	..Beam deflector or splitter	524	...Tire, wheel, valve stem, hub cap, or axle mounted
489.09	...Prism	525	...Wind driven
489.1	....Adjustible element(s)	526	..Vibration
		527	.For a signal source remote from observer

528	..Light transmitting from source behind a reflector	560	..For convolution (cross-correlation)
529	..3-Corner retroreflective (i.e., cube corner, trihedral, or triple reflector type)	561	..For correlation
530	..Unitary plate or sheet comprising plural reflecting elements	562	..For changing zeroth order intensity
531	...Mounted on roadway	563	..With diffraction grating
532	...Mounted adjacent roadway	564	..With photographic media
533	...Mounted on vehicle	565	.From zone plate
534	..Including a curved refracting surface	566	.From grating
535	..Within individual indentations	567	..For ornamental effect or display
536	..Minute transparent spheres	568	..For diffractive subtractive filtering
537	...Directional reflection (e.g., prevent viewing unless critical angle of light is used)	569	..Including particular grating characteristic
538	...On flexible substrate (e.g., flexible sheeting, bumper sticker, etc.)	570	...Nonplanar grating substrate (e.g., concave)
539	..Mixture in liquid binder (e.g., paint, resin)	571	...Echelette or blazed grating
540	...Placed on top of binder (e.g., resin, asphalt, glue, etc.)	572	...Reflection grating (e.g., retrodirective)
541	...With single transparent coating between spheres and atmosphere	573	...Variable grating
542	..Plural refracting elements formed as a unitary mass	574	...With curved or geometrically shaped corrugation
543	..With individual reflector element mount	575	...With nonuniform corrugation width, spacing, or depth
544	...Including a snap, spring clip, or spring retainer	576	...Laminated or layered
545	...Including a threaded member	577	<b>LIGHT INTERFERENCE</b>
546	..Discrete reflecting elements formed as a unitary mass	578	..Electrically or mechanically variable (e.g., tunable, adjustable)
547	..Mounted on or adjacent roadway	579	..By nonmovable driving element (e.g., piezoelectric, magnetostrictive)
548	..Mounted on vehicle	580	..Produced by coating or lamina
549	..Rigidly mounted on vehicle	581	..By transmissive coating on lens
550	..Bicycle or motorcycle	582	..Layer having specified nonoptical property
551	..Mounted on roadway	583	..Beam splitter or combiner
552	..Mounted adjacent roadway	584	..Reflector
553	..Emergency or temporary reflectors (i.e., portable self standing)	585	..Including metal or conductive layer
554	<b>IMAGE STABILIZATION</b>	586	..Layers having specified index of refraction
555	..By movable reflective structure	587	...Plural layer groups lateral in parallel light paths
556	..Having plural reflecting surfaces	588	...Filter having four or more layers
557	..By movable refractive structure	589	..Selective wavelength transmission or reflection
558	<b>DIFFRACTION</b>	590	...Having another filter
559	..Using Fourier transform spatial filtering	591	<b>BUILDING INTERIOR ILLUMINATION WITH REFLECTED, REFRACTED OR PREDETERMINED ANGLE OF ENTRANCE OF OUTSIDE LIGHT</b>

592	.Unitary light transmitting member comprising plural reflecting or refracting elements	628	..Noncircular cross section
593	..Plural members in series	629	.By partial reflection at beam splitting or combining surface
594	..Elements on two sides of member	630	..Superimposing visual information on observers field of view (e.g., head-up arrangement, etc.)
595	..With internal reflections	631	...Including curved reflector
596	.Slats or strips	632	...Rotatable heads-up device or combiner
597	.With reflection	633	...With additional reflector (e.g., serial reflections, etc.)
598	..Internal reflection in single optical element	634	..Wavelength selective (e.g., dichroic mirror, etc.)
599	<b>DIFFUSING OF INCIDENT LIGHT</b>	635	..Drawing or plotting aid
600	<b>BARREL END EYE GUARD (E.G., SHIELD OR CUSHION, ETC.)</b>	636	..Including full reflection and transmission of a beam at different portions of a beam divider
601	<b>GLARE OR UNWANTED LIGHT REDUCTION</b>	637	..With path length or aberration correcting element
602	.With mirror (e.g., mirror with glare screen, etc.)	638	..With partial reflection at a surface of a prism
603	..Anti-glare mirror	639	.By refraction at beam splitting or combining surface
604	...Adjustable	640	..Including prismatic element
605	....Plural reflecting surfaces	641	<b>COLLIMATING OF LIGHT BEAM</b>
606	.....Prismoidal	642	<b>LENS</b>
607	.....Reversible	643	.Eyepiece
608	....Translucent or other semitransmitting panel selectively positioned in front of mirror	644	..Having four components
609	.Display window	645	..Having three components
610	.With blind for nonviewing eye	646	..Having two components
611	.Barrel end or lens mount shade	647	..Having one component
612	..Collapsible or foldable	648	.With field curvature shaping
613	.Directional or angular discrimination	649	..Projection type
614	.With absorption means	650	...Having four components
615	<b>LIGHT DISPERSION</b>	651	...Having less than four components
616	<b>KALEIDOSCOPE</b>	652	.With graded refractive index
617	.Including particles loosely housed for agitation	653	..Having an axial gradient
618	<b>SINGLE CHANNEL SIMULTANEOUSLY TO OR FROM PLURAL CHANNELS (E.G., LIGHT DIVIDING, COMBINING, OR PLURAL IMAGE FORMING, ETC.)</b>	654	..Having a radial gradient
619	.By surface composed of lenticular elements	655	...In a variable media (e.g., gas, elastomer, etc.)
620	..Having particular composition	656	.Microscope objective
621	..Plural lenticular plates	657	..Having seven components
622	...Serially disposed along optic axis	658	..Having six components
623	....Cylindrical lenslets	659	..Having five components
624	.....Having crossed axes	660	..Having four components
625	..Focusing or defocusing by noncurved surfaces (e.g., prismatic, etc.)	661	..Having less than four components
626	..Particular focusing or defocusing characteristic	662	.High distortion lens (e.g., $f_0$ , etc.)
627	..Reflective	663	.Telecentric system
		664	.Spherical



665	.Fluid	708	.Including a nonspherical surface
666	..With variable magnification	709	..Conical
667	..With gas	710	..Cylindrical
668	.Anamorphic	711	..Toroidal
669	..With prism anamorphoser	712	..Paraboloidal
670	..Variable magnification anamorphoser	713	..Having six components
671	..Having four or more components	714	..Having five components
672	.Selective magnification by exchanging or adding a lens component	715	..Having four components
673	..To the front of a basic lens	716	..Having three components
674	..To the middle of a basic lens	717	..Having two components
675	..To the rear of a basic lens	718	..Having one component
676	.With variable magnification (e.g., zoom type)	719	...Objective for laser (e.g., optical disc, etc.)
677	..Optically compensated	720	.Asymmetric (e.g., prismatic or eccentric, etc.)
678	..Prism lens type	721	.Plural focal length
679	..With fixed conjugates	722	.Selective wavelength transmitting or blocking
680	..Reverse telephoto	723	..With separate filter
681	...Having eight or nine components	724	.Annular zonal correcting
682	...Having seven or less components	725	.Panoramic
683	..With mechanical compensation	726	.With reflecting element
684	...Other than first group moves for focusing (internal focus type)	727	..Including concave or convex reflecting surface
685	..Nonlinear variator/compensator movements	728	...With aspheric surface (e.g., Schmidt lens, etc.)
686	...Four groups	729	...With concave and convex reflectors in series
687	....+ - + + Arrangement	730	...Reflectors in series
688	....+ - - + Arrangement	731	...With concave and convex reflectors in series
689	...Three groups	732	..For producing a double pass
690	....+ - + Arrangement	733	..Multiple component lenses
691	...Two groups	734	...Four components
692	....+ - Arrangement	735	...Three components
693	..With macro-type focusing	736	...Two components
694	..Adjusting mechanism	737	.With diverse refracting element
695	..Three or more movable lens groups	738	.With light limiting or controlling means
696	...Motor driven	739	..Diaphragm
697	....Condition responsive	740	...Between lens components
698	.....Auto focusing	741	.With multipart element
699	...Having cam device	742	..Echelon (e.g., Fresnel lens, etc.)
700	....Cam groove type	743	...Having curvilinear lens
701	....Cam ring type or zoom ring type	744	.Afocal (e.g., Galilean telescopes, etc.)
702	...With adjustment lock	745	.Telephoto
703	...With specified mount	746	..With five components
704	....Having detail of barrel	747	..With four components
705	...With macro type focusing	748	..With less than four components
706	....With specific ring means	749	.Reverse telephoto
707	.Diffusing	750	..With eight components
		751	..With seven components

752	..With six components	799	..Illuminating beam coaxial with lens axis
753	..With five or less components	800	..Illumination through lens
754	..Multiple component lenses	801	..With viewed object support
755	..Seven components	802	..Magnifier
756	..Six components	803	...Hand held
757	...First component positive	804	.With viewed object support
758	....+ - + + - + Arrangement	805	..On lens supporting handle
759	...First two components positive	806	..Relatively movable informatory sheet and lens (e.g., reading machine, etc.)
760	.....+ + - - + + Arrangement	807	..Flat opaque document or picture
761	...First component negative	808	.With lens casing
762	...First two components negative	809	.Combined with diverse art tool, instrument or machine
763	..Five components	810	..Operation viewed through lens
764	...First component positive	811	.With support
765	....+ - - + + Arrangement	812	..With additional handle
766	....+ - + - + Arrangement	813	..Lens movable in its plane
767	...First two components positive	814	...Electromagnetic motive power
768	.....+ + - - + Arrangement	815	..Body or apparel attached or carried
769	.....+ + - + + Arrangement	816	...Monocular loupe type
770	...First component negative	817	..Foldable or collapsible
771	..Four components	818	..With clamp or grip
772	...First component positive	819	..Lens mounts
773	....+ - + - Arrangement	820	...With temperature compensation or control
774	....+ - + + Arrangement	821	...Plural lenses in common carrier selectively operable (e.g., turret type, etc.)
775	....+ - - + Arrangement	822	...Adjustable
776	....With multiple element component	823	...With axial adjustment (e.g., adjustable focus, etc.)
777	.....Infinite radius	824	.....Electromagnetic or piezoelectric drive
778	.....Having a biconvex single element component	825	.....Focusing ring
779	....+ + - + Arrangement	826	.....Sliding barrels
780	....+ + + - Arrangement	827	...Detachably attached (e.g., plate, barrel, etc.)
781	...First component negative	828	...Bayonet coupling
782	....- + + - Arrangement	829	...With threads
783	....- + + + Arrangement	830	...With ring
784	..Three components	831	<b>PRISM (INCLUDING MOUNT)</b>
785	...+ - + Arrangement	832	.Fluid filled
786	...With multiple element first component	833	.With reflecting surface
787	...With multiple element second component	834	..Plural reflecting surfaces
788	...With multiple element third component	835	...For binocular or porro-prism
789	...With first component biconvex	836	...Roof or roof-angle
790	...With third component biconvex	837	.With refracting surface
791	...+ + - Arrangement	838	<b>MIRROR</b>
792	...+ + + Arrangement	839	.With a transmitting property
793	..Two components	840	.Back to back
794	...+ + Arrangement	841	.Retractable vehicle mirror
795	...+ - Arrangement		
796	.Single component with multiple elements		
797	..Three or more elements		
798	.With viewed object or viewed field illumination		

- |     |  |     |  |
|-----|--|-----|--|
| 842 | .Mounted on vehicle having handlebars (e.g., bicycle, motorcycle, etc.)            | 872 | ..Mirror movable relative to support                           |
| 843 | .Automatically adjustable in response to vehicle position, control, or indicator   | 873 | ...With rotary to linear motion converting mirror adjustment   |
| 844 | .On adjustable diverse vehicle portion or accessory                                | 874 | ...With rotation of mirror about perpendicular axes            |
| 845 | .Fluid cooled mirror   | 875 | ...With a rigid handle extending to or near a mirror pivot     |
| 846 | .Including specified control or retention of the shape of a mirror surface         | 876 | ...With rotation of mirror about perpendicular axes            |
| 847 | ..Membrane mirror in mechanical contact only at its edge                           | 877 | ...With switch or motor controlling mirror movement            |
| 848 | ..With structure to minimize internal mirror stress                                | 878 | ....Fluid pressure actuated                                    |
| 849 | ..Including a plurality of adjustable mirror supports                              | 879 | ...Body or apparel mirror support                              |
| 850 | .Plural mirrors or reflecting surfaces   | 880 | ...Having support or apparel engaging head or neck             |
| 851 | ..Composite or echelon mirrors or light concentrating array                        | 881 | ..With mirror supporting column or sliding adjustment          |
| 852 | ..With a line focus  | 882 | ..With handle  |
| 853 | ...Light concentrating (e.g., heliostat, etc.), concave, or paraboloidal structure | 883 | ..Laminated or layered mirror support                          |
| 854 | ..Identical side mirrors adjustable with respect to a central mirror               | 884 | .With selective absorption or transparent overcoating          |
| 855 | ..Identical adjacent mirrors identically supported                                 | 885 | <b>ABSORPTION FILTER</b>                                       |
| 856 | ...With successive reflections   | 886 | .Fluid   |
| 857 | ..With successive reflections  | 887 | .Sequentially additive   |
| 858 | ...Including curved mirror surfaces in series                                      | 888 | .Neutral or graded density                                     |
| 859 | ...With concave and convex mirrors in series                                       | 889 | .Movable in or out of optical path                             |
| 860 | ...To view observer  | 890 | .Superimposed or series  |
| 861 | ...With three or more successive reflections                                       | 891 | .Filters in optical parallel (e.g., colors side-by-side, etc.) |
| 862 | ...Including an adjustable mirror  | 892 | .With support or frame   |
| 863 | ...Including a curved mirror   | 893 | <b>SCREEN (E.G., HALFTONE SCREEN, ETC.)</b>                    |
| 864 | ..Including adjacent plane and curved mirrors                                      | 894 | <b>OPTICAL APERTURE OR TUBE, OR TRANSPARENT CLOSURE</b>        |
| 865 | ..Relatively adjustable  | 895 | .Submerged object viewer                                       |
| 866 | ..Wide angle segmented mirrors   | 896 | <b>MISCELLANEOUS</b>   |
| 867 | .Concave cylindrical or providing a line focus                                     |     |  |
| 868 | ..With mirror surface of varied radius   |     |  |
| 869 | ..Concave  |     |  |
| 870 | .Fracture resistant (e.g., shatterproof, etc.)                                     |     |  |
| 871 | .With support  |     |  |
- CROSS-REFERENCE ART COLLECTIONS**
- |     |                                   |
|-----|-----------------------------------|
| 900 | <b>METHODS</b>                    |
| 901 | <b>ACOUSTIC HOLOGRAPHY</b>        |
| 902 | <b>HOLOGRAPHIC INTERFEROMETER</b> |
| 903 | <b>WITH MAGNET</b>                |
| 904 | <b>MICRO MIRROR</b>               |

**FOREIGN ART COLLECTIONS****FOR 000 CLASS-RELATED FOREIGN DOCUMENTS**

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

**FOR 100 DEFLECTING USING A MOVING ELEMENT OR MEDIUM (OFFSETTING OR CHANGING AT LEAST A PORTION OF THE BEAM) (359/196)**

- FOR 101 .Using a periodically moving element (periodic change of optically reflecting, refracting or diffracting element) (359/197)
- FOR 102 ..Particular mount or driver for element (359/198)
- FOR 103 ...Particular oscillating driver (359/199)
- FOR 104 ..Bearing or shaft for rotary driver (359/200)
- FOR 105 ..Plural moving scanning elements (359/201)
- FOR 106 ..X-Y scanner (359/202)
- FOR 107 ..Having a common axis of rotation (359/203)
- FOR 108 ..Utilizing plural light beams (359/204)
- FOR 109 ..Having particular focusing element to receive scanned light (359/205)
- FOR 110 ...High distortion lens (e.g., fQ lens, etc.) (359/206)
- FOR 111 ...Anamorphic element (359/207)
- FOR 112 ...Concave reflector (359/208)
- FOR 113 ..Including transmissive type moving element (359/209)
- FOR 114 ...Having moving lens (359/210)
- FOR 115 ...Having moving prism (359/211)
- FOR 116 ..Including reflective type moving element (359/212)
- FOR 117 ...Having oscillating element (359/213)

- FOR 118 ....Single plane mirror element (359/214)
- FOR 119 .....With imaging lens (359/215)
- FOR 120 ...Having multifaceted rotating element (359/216)
- FOR 121 ....With facets parallel to rotation axis (359/217)
- FOR 122 ....Having six, seven, or eight facets (359/218)
- FOR 123 ....Having five or fewer facets (359/219)
- FOR 124 ...Having planar rotating reflector with transverse rotation axis (359/220)
- FOR 125 ...Having planar rotating reflector with rotation axis in its plane (359/221)
- FOR 126 .By frustrated total internal reflection (359/222)
- FOR 127 .By moving a reflective element (359/223)
- FOR 128 ..Reflective element moved by deformable support (359/234)
- FOR 129 ..Pivoting or moving in circular arc (359/225)
- FOR 130 ..Rotating (359/226)
- FOR 131 **POLARIZATION WITHOUT MODULATION (359/483)**
- FOR 132 .Time invariant electric, magnetic, or electromagnetic field responsive (e.g., electro-optical, magneto-optical) (359/484)
- FOR 133 .Light polarization without any external input (359/485)
- FOR 134 ..By grid or dipoles (359/486)
- FOR 135 ..By reflection or refraction (e.g., Brewster angle) (359/487)
- FOR 136 ...With particular medium (359/488)
- FOR 137 ..Polarization (direction or magnitude) varies over surface of the medium (e.g., vectograph) (359/489)
- FOR 138 ..By dichroic medium (359/490)
- FOR 139 ...Stain or dye (359/491)
- FOR 140 ...Oriented particles (359/492)
- FOR 141 ..Glare prevention by discriminating against polarized light (359/493)
- FOR 142 ..By birefringent element (359/494)
- FOR 143 ...For beam deflection or splitting (359/495)

- FOR 144 ...Prisms (359/496)
- FOR 145 ...Using plural elements (359/  
497)
- FOR 146 ....Frequency filter or  
interference effects (359/498)
- FOR 147 ....Using compensation techniques  
(359/499)
- FOR 148 ...With particular material or  
mounting structure (359/500)
- FOR 149 ..By relatively adjustable  
superimposed or in series  
polarizers (359/501)
- FOR 150 ..With color filter (359/502)

