

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
		200.4	....Fluid pressure bearing
11	..Spatial, phase or amplitude modulation	200.5	.....Dynamic fluid bearing
		200.6	...Electrostatic driver
12	.Copying by holographic means	200.7	...Electromagnetic driver
13	.Head up display	200.8	...Electromechanical driver
14	..Holograph on curved substrate	201.1	..With multiple scanning elements (e.g., plural lenses, lens and prism, etc.)
15	.Using a hologram as an optical element		
16	..With aberration correction	201.2	...Reflective element (e.g., mirror, reflector, etc.)
17	..Scanner		
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
		204.4	...Having multiple light beams with visible wavelengths
23	..Holographic stereogram	204.5	...With diffraction grating
24	..Superimposed holograms only	205.1	..Post scanning optical element
25	..Discrete hologram only	206.1	...High distortion lens (e.g., f-Theta lens)
26	...Sequential frames on moving film		
		207.1	...Anamorphic elements
27	.Having particular laser source	207.2	....Having an aspheric surface
28	.Having multiple object beam or diffuse object illumination	207.3	.....Multiple aspheric surfaces
		207.4	.....Multiple symmetrical aspheric surfaces
29	.Fourier transform holography		
30	.Having optical element between object and recording medium	207.5	.....Multiple nonsymmetrical aspheric surfaces
31	..Focused image holography	207.6	...Cylindrical or toric lens
32	.For reconstructing image	207.7	...With diffraction portion or element
33	..Real image		
34	.With optical waveguide	207.8	...With reflecting prism
35	.Hardware for producing a hologram	207.9	...Polarized beam
		207.11	...Thermal compensation
107	<b>OPTICAL COMPUTING WITHOUT DIFFRACTION</b>	208.1	...Concave reflector
		208.2	....Aspheric reflector
108	.Logic gate	209.1	..Transmissive type moving element
196.1	<b>DEFLECTION USING A MOVING ELEMENT</b>	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	....Pockel's 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>	514	..Mirror, prism or signal reflector
481	.Binocular loupe type	515	<b>SIGNAL REFLECTOR</b>
482	.Reflected line of sight	516	.Body carried
483	<b>POLARIZATION WITHOUT MODULATION</b>	517	..Worn by hand or wrist
484	.Time invariant electric, magnetic, or electromagnetic field responsive (e.g., electro-optical, magneto-optical)	518	..Permanently fixed to clothing
485	.Light polarization without any external input	519	..Worn over clothing
486	..By grid or dipoles	520	.Moving
487	..By reflection or refraction (e.g., Brewster angle)	521	..Pedal mounted
488	...With particular medium	522	..Rotating
489	..Polarization (direction or magnitude) varies over surface of the medium (e.g., vectograph)	523	...Spoke mounted
490	..By dichroic medium	524	...Tire, wheel, valve stem, hub cap, or axle mounted
491	...Stain or dye	525	...Wind driven
492	...Oriented particles	526	..Vibration
493	..Glare prevention by discriminating against polarized light	527	.For a signal source remote from observer
494	..By birefringent element	528	.Light transmitting from source behind a reflector
495	...For beam deflection or splitting	529	.3-Corner retroreflective (i.e., cube corner, trihedral, or triple reflector type)
496	...Prisms	530	..Unitary plate or sheet comprising plural reflecting elements
497	...Using plural elements	531	...Mounted on roadway
498	...Frequency filter or interference effects	532	...Mounted adjacent roadway
499	...Using compensation techniques	533	...Mounted on vehicle
500	..With particular material or mounting structure	534	.Including a curved refracting surface
501	..By relatively adjustable superimposed or in series polarizers	535	..Within individual indentations
502	..With color filter	536	..Minute transparent spheres
503	<b>EXTENDED SPACING STRUCTURE FOR OPTICAL ELEMENTS</b>	537	...Directional reflection (e.g., prevent viewing unless critical angle of light is used)
504	.Wide angle (e.g., door peep)	538	...On flexible substrate (e.g., flexible sheeting, bumper sticker, etc.)
505	.With screen or reticle in real image plane	539	..Mixture in liquid binder (e.g., paint, resin)
506	.Extension of tubular element adjustable	540	...Placed on top of binder (e.g., resin, asphalt, glue, etc.)
507	<b>PROTECTION FROM MOISTURE OR FOREIGN PARTICLE</b>	541	...With single transparent coating between spheres and atmosphere
508	.Optical element rotates	542	..Plural refracting elements formed as a unitary mass
509	.Fluid directed across optical element	543	..With individual reflector element mount
510	.Microscope drape	544	...Including a snap, spring clip, or spring retainer
511	.Cap or cover	545	...Including a threaded member
512	.Humidity or temperature control	546	.Discrete reflecting elements formed as a unitary mass
513	.Sealing		

547	..Mounted on or adjacent roadway	584	..Reflector
548	..Mounted on vehicle	585	..Including metal or conductive layer
549	..Rigidly mounted on vehicle		
550	..Bicycle or motorcycle	586	..Layers having specified index of refraction
551	..Mounted on roadway	587	...Plural layer groups lateral in parallel light paths
552	..Mounted adjacent roadway	588	...Filter having four or more layers
553	..Emergency or temporary reflectors (i.e., portable self standing)	589	..Selective wavelength transmission or reflection
554	<b>IMAGE STABILIZATION</b>	590	...Having another filter
555	..By movable reflective structure	591	<b>BUILDING INTERIOR ILLUMINATION WITH REFLECTED, REFRACTED OR PREDETERMINED ANGLE OF ENTRANCE OF OUTSIDE LIGHT</b>
556	..Having plural reflecting surfaces	592	.Unitary light transmitting member comprising plural reflecting or refracting elements
557	..By movable refractive structure		
558	<b>DIFFRACTION</b>	593	..Plural members in series
559	..Using Fourier transform spatial filtering	594	..Elements on two sides of member
560	..For convolution (cross-correlation)	595	..With internal reflections
561	..For correlation	596	.Slats or strips
562	..For changing zeroth order intensity	597	.With reflection
563	..With diffraction grating	598	..Internal reflection in single optical element
564	..With photographic media	599	<b>DIFFUSING OF INCIDENT LIGHT</b>
565	..From zone plate	600	<b>BARREL END EYE GUARD (E.G., SHIELD OR CUSHION, ETC.)</b>
566	..From grating		
567	..For ornamental effect or display	601	<b>GLARE OR UNWANTED LIGHT REDUCTION</b>
568	..For diffractive subtractive filtering	602	.With mirror (e.g., mirror with glare screen, etc.)
569	..Including particular grating characteristic	603	..Anti-glare mirror
570	...Nonplanar grating substrate (e.g., concave)	604	...Adjustable
571	...Echelette or blazed grating	605	....Plural reflecting surfaces
572	...Reflection grating (e.g., retrodirective)	606	.....Prismoidal
573	...Variable grating	607	.....Reversible
574	..With curved or geometrically shaped corrugation	608	....Translucent or other semitransmitting panel selectively positioned in front of mirror
575	..With nonuniform corrugation width, spacing, or depth	609	.Display window
576	..Laminated or layered	610	.With blind for nonviewing eye
577	<b>LIGHT INTERFERENCE</b>	611	.Barrel end or lens mount shade
578	..Electrically or mechanically variable (e.g., tunable, adjustable)	612	..Collapsible or foldable
579	..By nonmovable driving element (e.g., piezoelectric, magnetostrictive)	613	.Directional or angular discrimination
580	..Produced by coating or lamina	614	.With absorption means
581	..By transmissive coating on lens	615	<b>LIGHT DISPERSION</b>
582	..Layer having specified nonoptical property	616	<b>KALEIDOSCOPE</b>
583	..Beam splitter or combiner	617	.Including particles loosely housed for agitation

618	<b>SINGLE CHANNEL SIMULTANEOUSLY TO OR FROM PLURAL CHANNELS (E.G., LIGHT DIVIDING, COMBINING, OR PLURAL IMAGE FORMING, ETC.)</b>	651	...Having less than four components
619	..By surface composed of lenticular elements	652	..With graded refractive index
620	..Having particular composition	653	..Having an axial gradient
621	..Plural lenticular plates	654	..Having a radial gradient
622	..Serially disposed along optic axis	655	...In a variable media (e.g., gas, elastomer, etc.)
623	....Cylindrical lenslets	656	..Microscope objective
624	....Having crossed axes	657	..Having seven components
625	..Focusing or defocusing by noncurved surfaces (e.g., prismatic, etc.)	658	..Having six components
626	..Particular focusing or defocusing characteristic	659	..Having five components
627	..Reflective	660	..Having four components
628	..Noncircular cross section	661	..Having less than four components
629	..By partial reflection at beam splitting or combining surface	662	..High distortion lens (e.g., $f_0$ , etc.)
630	..Superimposing visual information on observer's field of view (e.g., head-up arrangement, etc.)	663	..Telecentric system
631	...Including curved reflector	664	..Spherical
632	...Rotatable heads-up device or combiner	665	..Fluid
633	...With additional reflector (e.g., serial reflections, etc.)	666	..With variable magnification
634	..Wavelength selective (e.g., dichroic mirror, etc.)	667	..With gas
635	..Drawing or plotting aid	668	..Anamorphic
636	..Including full reflection and transmission of a beam at different portions of a beam divider	669	..With prism anamorphoser
637	..With path length or aberration correcting element	670	..Variable magnification anamorphoser
638	..With partial reflection at a surface of a prism	671	..Having four or more components
639	..By refraction at beam splitting or combining surface	672	..Selective magnification by exchanging or adding a lens component
640	..Including prismatic element	673	..To the front of a basic lens
641	<b>COLLIMATING OF LIGHT BEAM</b>	674	..To the middle of a basic lens
642	<b>LENS</b>	675	..To the rear of a basic lens
643	..Eyepiece	676	..With variable magnification (e.g., zoom type)
644	..Having four components	677	..Optically compensated
645	..Having three components	678	..Prism lens type
646	..Having two components	679	..With fixed conjugates
647	..Having one component	680	..Reverse telephoto
648	..With field curvature shaping	681	...Having eight or nine components
649	..Projection type	682	...Having seven or less components
650	...Having four components	683	..With mechanical compensation
		684	...Other than first group moves for focusing (internal focus type)
		685	...Nonlinear variator/compensator movements
		686	...Four groups
		687	....+ - + + Arrangement
		688	....+ - - + Arrangement
		689	...Three groups
		690	....+ - + Arrangement
		691	...Two groups

692	....+ - Arrangement	737	.With diverse refracting element
693	..With macro-type focusing	738	.With light limiting or controlling means
694	..Adjusting mechanism	739	..Diaphragm
695	...Three or more movable lens groups	740	...Between lens components
696	...Motor driven	741	.With multipart element
697	....Condition responsive	742	..Echelon (e.g., Fresnel lens, etc.)
698	.....Auto focusing	743	...Having curvilinear lens
699	...Having cam device	744	.Afocal (e.g., Galilean telescopes, etc.)
700	....Cam groove type	745	.Telephoto
701	....Cam ring type or zoom ring type	746	..With five components
702	..With adjustment lock	747	..With four components
703	..With specified mount	748	..With less than four components
704	....Having detail of barrel	749	.Reverse telephoto
705	...With macro type focusing	750	..With eight components
706	....With specific ring means	751	..With seven components
707	.Diffusing	752	..With six components
708	.Including a nonspherical surface	753	..With five or less components
709	..Conical	754	.Multiple component lenses
710	..Cylindrical	755	..Seven components
711	..Toroidal	756	..Six components
712	..Paraboloidal	757	...First component positive
713	..Having six components	758	....+ - + + - + Arrangement
714	..Having five components	759	....First two components positive
715	..Having four components	760	.....+ + - - + + Arrangement
716	..Having three components	761	...First component negative
717	..Having two components	762	....First two components negative
718	..Having one component	763	..Five components
719	...Objective for laser (e.g., optical disc, etc.)	764	...First component positive
720	.Asymmetric (e.g., prismatic or eccentric, etc.)	765	....+ - - + + Arrangement
721	.Plural focal length	766	....+ - + - + Arrangement
722	.Selective wavelength transmitting or blocking	767	....First two components positive
723	..With separate filter	768	.....+ + - - + Arrangement
724	.Annular zonal correcting	769	.....+ + - + + Arrangement
725	.Panoramic	770	...First component negative
726	.With reflecting element	771	..Four components
727	..Including concave or convex reflecting surface	772	...First component positive
728	...With aspheric surface (e.g., Schmidt lens, etc.)	773	....+ - + - Arrangement
729	....With concave and convex reflectors in series	774	....+ - + + Arrangement
730	...Reflectors in series	775	....+ - - + Arrangement
731	....With concave and convex reflectors in series	776	....With multiple element component
732	..For producing a double pass	777	.....Infinite radius
733	..Multiple component lenses	778	.....Having a biconvex single element component
734	...Four components	779	....+ + - + Arrangement
735	...Three components	780	....+ + + - Arrangement
736	...Two components	781	...First component negative
		782	....- + + - Arrangement
		783	....- + + + Arrangement
		784	..Three components
		785	...+ - + Arrangement

786	...With multiple element first component	825	.....Focusing ring
787	...With multiple element second component	826	.....Sliding barrels
788	...With multiple element third component	827	...Detachably attached (e.g., plate, barrel, etc.)
789	...With first component biconvex	828	...Bayonet coupling
790	...With third component biconvex	829	...With threads
791	...+ + - Arrangement	830	...With ring
792	...+ + + Arrangement	831	<b>PRISM (INCLUDING MOUNT)</b>
793	..Two components	832	.Fluid filled
794	...+ + Arrangement	833	.With reflecting surface
795	...+ - Arrangement	834	..Plural reflecting surfaces
796	.Single component with multiple elements	835	...For binocular or porro-prism
797	..Three or more elements	836	...Roof or roof-angle
798	.With viewed object or viewed field illumination	837	.With refracting surface
799	..Illuminating beam coaxial with lens axis	838	<b>MIRROR</b>
800	..Illumination through lens	839	.With a transmitting property
801	..With viewed object support	840	.Back to back
802	..Magnifier	841	.Retractable vehicle mirror
803	...Hand held	842	.Mounted on vehicle having handlebars (e.g., bicycle, motorcycle, etc.)
804	.With viewed object support	843	.Automatically adjustable in response to vehicle position, control, or indicator
805	..On lens supporting handle	844	.On adjustable diverse vehicle portion or accessory
806	..Relatively movable informatory sheet and lens (e.g., reading machine, etc.)	845	.Fluid cooled mirror
807	..Flat opaque document or picture	846	.Including specified control or retention of the shape of a mirror surface
808	.With lens casing	847	..Membrane mirror in mechanical contact only at its edge
809	.Combined with diverse art tool, instrument or machine	848	..With structure to minimize internal mirror stress
810	..Operation viewed through lens	849	..Including a plurality of adjustable mirror supports
811	.With support	850	.Plural mirrors or reflecting surfaces
812	..With additional handle	851	..Composite or echelon mirrors or light concentrating array
813	..Lens movable in its plane	852	...With a line focus
814	...Electromagnetic motive power	853	...Light concentrating (e.g., heliostat, etc.), concave, or paraboloidal structure
815	..Body or apparel attached or carried	854	..Identical side mirrors adjustable with respect to a central mirror
816	..Monocular loupe type	855	..Identical adjacent mirrors identically supported
817	..Foldable or collapsible	856	...With successive reflections
818	..With clamp or grip	857	..With successive reflections
819	..Lens mounts	858	...Including curved mirror surfaces in series
820	..With temperature compensation or control	859	...With concave and convex mirrors in series
821	...Plural lenses in common carrier selectively operable (e.g., turret type, etc.)		
822	...Adjustable		
823	...With axial adjustment (e.g., adjustable focus, etc.)		
824	.....Electromagnetic or piezoelectric drive		

860 ...To view observer  
 861 ..With three or more successive reflections  
 862 ...Including an adjustable mirror  
 863 ...Including a curved mirror  
 864 ..Including adjacent plane and curved mirrors  
 865 ..Relatively adjustable  
 866 ..Wide angle segmented mirrors  
 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  
 872 ..Mirror movable relative to support  
 873 ...With rotary to linear motion converting mirror adjustment  
 874 ...With rotation of mirror about perpendicular axes  
 875 ...With a rigid handle extending to or near a mirror pivot  
 876 ..With rotation of mirror about perpendicular axes  
 877 ..With switch or motor controlling mirror movement  
 878 ...Fluid pressure actuated  
 879 ...Body or apparel mirror support  
 880 ...Having support or apparel engaging head or neck  
 881 ...With mirror supporting column or sliding adjustment  
 882 ..With handle  
 883 ..Laminated or layered mirror support  
 884 .With selective absorption or transparent overcoating  
 885 **ABSORPTION FILTER**  
 886 .Fluid  
 887 .Sequentially additive  
 888 .Neutral or graded density  
 889 .Movable in or out of optical path  
 890 .Superimposed or series  
 891 .Filters in optical parallel (e.g., colors side-by-side, etc.)  
 892 .With support or frame  
 893 **SCREEN (E.G., HALFTONE SCREEN, ETC.)**  
 894 **OPTICAL APERTURE OR TUBE, OR TRANSPARENT CLOSURE**

895 .Submerged object viewer  
 896 **MISCELLANEOUS**

**CROSS-REFERENCE ART COLLECTIONS**

900 **METHODS**  
 901 **ACOUSTIC HOLOGRAPHY**  
 902 **HOLOGRAPHIC INTERFEROMETER WITH MAGNET**  
 903 **WITH MAGNET**  
 904 **MICRO MIRROR**

**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)