HOLOGRAPHIC SYSTEM OR ELEMENT
Authentication
Having particular recording medium
Recyclable
Magnetic material
Sandwich having photoconductor
Crystalline material
Having nonplanar recording medium surface
For synthetically generating a hologram
Using modulated or plural reference beams
Spatial, phase or amplitude modulation
Copying by holographic means
Head up display
Hologram on curved substrate
Using a hologram as an optical element
With aberration correction
Scanner
Flat rotating disk
Lens
Multiple point hologram (e.g., fly-eye lens, etc.)
Having defined page composer
For producing or reconstructing images from multiple holograms (e.g., color, etc.)
Holographic stereogram
Superimposed holograms only
Discrete hologram only
Sequential frames on moving film
Having particular laser source
Having multiple object beam or diffuse object illumination
Fourier transform holography
Having optical element between object and recording medium
Focused image holography
For reconstructing image
Real image
With optical waveguide
Hardware for producing a hologram
OPTICAL COMPUTING WITHOUT DIFFRACTION
Logic gate
DETECTION USING A MOVING ELEMENT
Using a periodically moving element
With particular mount or driver for element
Oscillating driver
Electrostatically driven
Electromagnetically driven
Electromechanically driven
Bearing or shaft for rotary driver
Specific shaft material or structure (e.g., ceramic ring)
Grooved shaft
Fluid pressure bearing
Dynamic fluid bearing
Electrostatic driver
Electromagnetic driver
Electromechanical driver
With multiple scanning elements (e.g., plural lenses, lens and prism, etc.)
Reflective element (e.g., mirror, reflector, etc.)
X-Y scanners
Having a common axis or rotation
Utilizing multiple light beams
Including modulated light beam
Including polarized light beam
Having multiple light beams with visible wavelengths
With diffraction grating
Post scanning optical element
High distortion lens (e.g., f-Theta lens)
Anamorphic elements
Having an aspheric surface
Multiple aspheric surfaces
Multiple symmetrical aspheric surfaces
Multiple nonsymmetrical aspheric surfaces
Cylindrical or toric lens
With diffraction portion or element
With reflecting prism
Polarized beam
Thermal compensation
Concave reflector
Aspheric reflector
Transmissive type moving element
Moving lens
210.2  ...Rotational Lens
211.1  ...Moving prism
211.2  ...Rotating prism
211.3  .....Multiple prisms
211.4  .....With angled axis of rotation
211.5  .....Rotating element
211.6  .....With diffraction grating
212.1  ...reflective type moving element
212.2  ...Rotating reflective element
213.1  ...Oscillating reflective element
214.1  .....Single plane mirror
215.1  .....With imaging lens
216.1  ...Multifaceted rotating element
218.1  .....Having six, seven, or eight facets
219.1  .....Having five or fewer facets
219.2  ...Inclined reflective elements
217.1  .....With facet plane substantially parallel to rotating axis plane
217.2  .....With beam modulation
217.3  .....Having vibration absorbing means
217.4  .....With diffractive element
220.1  ...Rotation axis traversely oriented relative to reflective element
221.1  ...Having planar rotating reflector with co-planar axis of rotation
221.2  .....With particular mount or drive for element
221.3  .....Bearing or shaft for rotary driver
221.4  ...Specific shaft material or structure (e.g., ceramic ring)
222.1  .....By frustrated total internal reflection
223.1  .....By moving a reflective element
224.1  .....Reflective element moved by deformable support
224.2  .....Modulated light beam
225.1  .....Pivoting or moving in circular arc
226.1  .....Rotating
226.2  .....Pivotal or rotational element
226.3  .....Fluid filled medium
227  LIGHT CONTROL BY OPAQUE ELEMENT OR MEDIUM MOVABLE IN OR THROUGH LIGHT PATH
228  .....Fluid
229  .....With glare or flicker elimination
230  ...Electro-mechanical
231  ...String or ribbon type
232  ...Slit type
233  ...With relative motion of two apertured elements
234  ...With rotating or pivoting element (e.g., scanning discs)
235  ...Continuously rotating apertured element
236  ...Element rotates about axis perpendicular to light path
237  ...Light wave temporal modulation (e.g., frequency, amplitude, etc.)
238  ...Modulator output feedback to modulator
239  ...Changing bulk optical parameter
240  ...By actinic radiation (e.g., photochromic)
241  ...Display device
242  ...Bistable device
243  ...Opto-optical device
244  ...Electro-optic
245  ...Modulation of polarized light via modulating input signal
246  ...Using reflective or cavity structure
247  ...Semiconductor
248  ...Compensation technique
249  ...Using plural mediums
250  ...With particular direction of the field in relation to the medium, beam direction or polarization
251  ...With particular medium or state of the medium
252  ...Liquid medium
253  ...With particular electrode structure or arrangement, or medium mounting structure or arrangement
254  ...Plural modulation cells
255  ...Excitation by electron beam
256  ...With birefringent element
257  ...Pockels cell
258  ...Kerr cell
259  ...Etalon structure
260  ...Multiple reflections within cell
261  ...Pulse modulation
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...Electrochromic
...Particular nonplanar electrode arrangement
...Reflection-type (e.g., display device)
...Complementary device
...Particular counter electrode
...Particular electrolyte layer
...Particular planar electrode pattern
...Liquid cell
...Particular electrochromic layer structure
...Diverse layer
...Transmission-type (e.g., windows)
...Amplitude modulation
...Within display element
...Frequency modulation
...Phase modulation
...Magnetooptic
...Modulation of polarized light via modulating input signal
...Using layered structure or plural mediums
...With particular direction of the field in relation to the medium, beam direction or polarization
...Amplitude modulation
...Acousto-optic
...Amplitude modulation
...Frequency modulation
...Thermo-optic
...Amplitude modulation
...By changing physical characteristics (e.g., shape, size or contours) of an optical element
...Shape or contour of light control surface altered
...Light control surface forms image on projected light beam
...Electron beam causes surface alteration
...Using photoconductive layer
...Having multiple electrodes
...Changing position or orientation of suspended particles
...Light control surface formed or destroyed

...Light wave directional modulation (e.g., deflection or scanning is representative of the modulating signal)
...Opto-optical device
...Phase conjugate
...Acting on polarized light
...Using reflecting or cavity structure
...Using more than one polarization (e.g., digital)
...Using single polarization
...Acousto-optic
...Correlation or convolution
...Utilizing optical feedback
...Filter
...Acting on polychromatic light
...Plural cell array
...Plural transducers on single cell
...Single transducer generating composite plural frequency acoustic wave
...Particular cell shape
...Particular cell orientation
...Electro-optic
...Plural modulation cells
...Multiple reflections within cell
...By reflection
...Focusing
...Switching
...Having particular chemical composition or structure
...Electro-optic crystal material
...PLZT material
...Magneto-optic crystal material

OPTICAL DEMODULATOR

OPTICAL FREQUENCY CONVERTER
...Raman type
...Harmonic generator
...Third harmonic
...Parametric oscillator
...Optical laser acoustic delay line type
...Dielectric optical waveguide type

OPTICAL AMPLIFIER
...Raman or Brillouin process
...Free electron
...Bistable
...Correction of deleterious effects

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<th>Spectral gain flattening or equalization</th>
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<th>Having four or more components</th>
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<td>Using number of signals</td>
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<td>Multilayer filter or multilayer reflector</td>
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<td>Adjusting input signal power</td>
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<td>Having metal layer</td>
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<td>Filtering (e.g., noise)</td>
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<td>Additional dopant or host composition</td>
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<td>Complementary, adjusting stages</td>
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<td>341.41</td>
<td>Automatic Gain Control (AGC)</td>
<td>377</td>
<td>Two or more in a series</td>
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<td>341.42</td>
<td>Automatic Level Control (ALC)</td>
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<td>Fault detection</td>
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<td>Microscope</td>
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<td>Composition (e.g., Tm, Tb, Eu, Ho, Dy, Nd)</td>
<td>381</td>
<td>Modeled system</td>
</tr>
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<td>342</td>
<td>Particular active medium (e.g., crystal, plasma, fluid, etc.)</td>
<td>382</td>
<td>Entire microscope adjustable along optical axis</td>
</tr>
<tr>
<td>343</td>
<td>Glass (amorphous)</td>
<td>383</td>
<td>Focus adjustment</td>
</tr>
<tr>
<td>344</td>
<td>Semiconductor</td>
<td>384</td>
<td>Rotatable adjustment</td>
</tr>
<tr>
<td>345</td>
<td>Particular pumping type (e.g., electrical, optical, nuclear, magnetic, etc.)</td>
<td>385</td>
<td>Illuminator</td>
</tr>
<tr>
<td>346</td>
<td>Particular resonator cavity (e.g., scanning, confocal or folded mirrors, etc.)</td>
<td>386</td>
<td>Using polarized light</td>
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<td>347</td>
<td>Multiple pass</td>
<td>387</td>
<td>With annular lighting structure</td>
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<td>348</td>
<td>Regenerative</td>
<td>388</td>
<td>With optical switching means</td>
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<td>349</td>
<td>Beam combination or separation</td>
<td>389</td>
<td>With illumination and viewing paths coaxial at the image field</td>
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<tr>
<td>350</td>
<td>Having Significant Infrared or Ultraviolet Property</td>
<td>390</td>
<td>With illuminator support</td>
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<tr>
<td>351</td>
<td>Having folded optical path</td>
<td>391</td>
<td>Stage or slide carrier</td>
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<td>352</td>
<td>Having polarizing element</td>
<td>392</td>
<td>Adjustable along optical axis</td>
</tr>
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<td>353</td>
<td>Including alternative optical path or optical element (e.g., day-night, hi-low magnification)</td>
<td>393</td>
<td>With plural transverse movements</td>
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<tr>
<td>354</td>
<td>Including continuously variable magnification or focal length (zoom lens, adjustable lens)</td>
<td>394</td>
<td>With turntable</td>
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<td>355</td>
<td>Lens, lens system or component</td>
<td>395</td>
<td>With temperature control</td>
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<tr>
<td>356</td>
<td>Infrared lens</td>
<td>396</td>
<td>Transparent slide</td>
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<td>397</td>
<td>Reference lines or grids</td>
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<tr>
<td>358</td>
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<td>398</td>
<td>Specimen cavity or chamber</td>
</tr>
<tr>
<td>359</td>
<td></td>
<td>399</td>
<td>Telescope</td>
</tr>
</tbody>
</table>
400 ..With viewed screen
401 ..With image anti-rotation
402 ..Periscope
403 ...With plural optical axes
404 ....Binocular
405 ....With mechanical adjustment
406 ......Extensible structure
407 .......Binocular
408 ....Foldable or collapsible
409 ...Body supported or with handle
410 ....With focusing means
411 ....With adjustable interocular distance
412 ....With adjustable interocular distance
413 ....Oculars swing about central axis
414 ......Spacing of optical elements axially adjustable
415 ....Oculars rotate about separate axes
416 ......Spacing of optical elements axially adjustable
417 ....Spacing of optical elements axially adjustable
418 ...Spacing of optical elements axially adjustable
419 ...With plural optical axes
420 ...Plural magnification in same viewing field
421 ...Selectable magnification
422 ...Variable magnification
423 ...With relay
424 ...With reticle
425 ...Focusing or relatively sliding barrels
426 ...Internal focusing
427 ...With reticle
428 ...With reticle
429 ...With line of sight adjustment
430 ...Equatorial mount
431 ...With prism or U-shaped optical path
432 ...Variable magnification
433 ...With tilted lens or tilted image plane
434 ...With relay
435 ...Repetitious lens structure
436 SCALE OR INDICIA READING
437 ...Polarizer
438 ...Prism
439 ...Mirror
440 ...Lens
441 ...Movable or adjustable
442 ...Along scale or indicia
443 PROJECTION SCREEN
444 ...With sound producer
445 ...Acoustical
446 ...Moving during projection
447 ...Tracing (e.g., camera lucida, etc.)
448 ...With lens (e.g., camera obscura, etc.)
449 ...With reflector or additional screen
450 ...Border, mask, shade, or curtain
451 ...Curved
452 ...Embedded particles
453 ...Rear projection screen
454 ...Unitary sheet comprising plural refracting areas
455 ...Lenticular
456 ...Rear projection screen
457 ...With Fresnel lens
458 ...Stereoscopic imaging or three dimensional imaging
459 ...Unitary sheet comprising plural reflecting areas
460 ...Rear projection screen
461 ...Roll up screen
462 STEEROSOPHIC
463 ...Having record with lenticular surface
464 ...With right and left channel discriminator (e.g., polarized or colored light)
465 ...Using polarized light
466 ...Stereo-viewers
467 ...View changers
468 ...Picture moves linearly past viewing aperture
469 ....Using film strips
470 ...Compensates for camera position (e.g., plotting or mapping type)
471 ...Reflected line of sight
472 ...Pictures offset, transposed or have respective right or left sides adjacent
473 ...Ocular spacing or angle between ocular axes adjustable
474 ...Collapsible
475 ...Having illumination
476 ...Ocular to picture distance adjustable
477 ...Supporting, mounting, enclosing or light shielding structure
478 RELIEF ILLUSION
479 ...Reflected line of sight

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BINOCULAR DEVICES

Reflected line of sight

POLARIZATION WITHOUT MODULATION

Polarization using a time invariant electric, magnetic, or electromagnetic field (e.g. electro-optical, magnetooptical)

Faraday effect

Isolator

With reflector

Circulator

Optical switch

Interleaver

Attenuator

Interference or comb filter

With particular Faraday effect material

Polarization by reflection or refraction

Brewster angle polarizer (reflective or transmissive)

Multilayer polarizer

Pile-of-plates polarizer

Wire grid polarizer

Prism

Mirror

Polarization (direction or magnitude) variation over surface of the medium

Linear variation

Radial variation

Polarization by dichroism

With stain or dye

Wire grid polarizer

Wavelength-selective beamsplitter

Having plural elements

Oriented particles

Glare prevention by discriminating against polarized light

Polarization by birefringence

With compensation techniques

Intrinsic birefringence or photoelastic (stress) effect

Temperature

Path length

Form birefringent element

Waveplate or retarder

Beam deflector or splitter

Prism

Adjustable element(s)
Light transmitting from source behind a reflector

3-Corner retroreflective (i.e., cube corner, trihedral, or triple reflector type)

Unitary plate or sheet comprising plural reflecting elements

Mounted on roadway

Mounted adjacent roadway

Mounted on vehicle

Including a curved refracting surface

Within individual indentations

Directional reflection (e.g., prevent viewing unless critical angle of light is used)

On flexible substrate (e.g., flexible sheeting, bumper sticker, etc.)

Mixture in liquid binder (e.g., paint, resin)

Placed on top of binder (e.g., resin, asphalt, glue, etc.)

With single transparent coating between spheres and atmosphere

Plural refracting elements formed as a unitary mass

With individual reflector element mount

Including a snap, spring clip, or spring retainer

Including a threaded member

Discrete reflecting elements formed as a unitary mass

Mounted on or adjacent roadway

Mounted on vehicle

Rigidly mounted on vehicle

Bicycle or motorcycle

Mounted on roadway

Mounted adjacent roadway

Emergency or temporary reflectors (i.e., portable self standing)

IMAGE STABILIZATION

By movable reflective structure

Having plural reflecting surfaces

By movable refractive structure

DIFFRACTION

Using Fourier transform spatial filtering

..For convolution (cross-correlation)

..For correlation

..For changing zeroth order intensity

..With diffraction grating

..With photographic media

..From zone plate

..From grating

..For ornamental effect or display

..For diffractive subtractive filtering

..Including particular grating characteristic

..Nonplanar grating substrate (e.g., concave)

..Echelette or blazed grating

..Reflection grating (e.g., retrodirective)

..Variable grating

..With curved or geometrically shaped corrugation

..With nonuniform corrugation width, spacing, or depth

..Laminated or layered

LIGHT INTERFERENCE

Electrically or mechanically variable (e.g., tunable, adjustable)

Produced by coating or lamina

By transmissive coating on lens

Layer having specified nonoptical property

Beam splitter or combiner

Reflector

Including metal or conductive layer

Layers having specified index of refraction

Plural layer groups lateral in parallel light paths

Filter having four or more layers

Selective wavelength transmission or reflection

Having another filter

BUILDING INTERIOR ILLUMINATION

WITH REFLECTED, REFRACTED OR PREDETERMINED ANGLE OF ENTRANCE OF OUTSIDE LIGHT

November 2012
Unitary light transmitting member comprising plural reflecting or refracting elements

Plural members in series

Elements on two sides of member

With internal reflections

Slats or strips

Internal reflection in single optical element

DIFFUSING OF INCIDENT LIGHT

BARREL END EYE GUARD (E.G., SHIELD OR CUSHION, ETC.)

GLARE OR UNWANTED LIGHT REDUCTION

With mirror (e.g., mirror with glare screen, etc.)

Anti-glare mirror

Adjustable

Plural reflecting surfaces

Prismoidal

Reversible

Translucent or other semitransmitting panel selectively positioned in front of mirror

Display window

With blind for nonviewing eye

Barrel end or lens mount shade

Collapsible or foldable

Directional or angular discrimination

With absorption means

LIGHT DISPERSION

LENS

Eyepiece

Having four components

Having three components

Having two components

Having one component

With field curvature shaping

Projection type

Having four components

Having less than four components

With graded refractive index

Having an axial gradient

Having a radial gradient

In a variable media (e.g., gas, elastomer, etc.)

Microscope objective

Having seven components

Having six components

Having five components

Having four components

Having less than four components

High distortion lens (e.g., f0, etc.)

Telecentric system

November 2012
Fluid
..With variable magnification
..With gas
.Anamorphic
..With prism anamorphoser
..Variable magnification
anamorphoser
..Having four or more components
.Selective magnification by
exchanging or adding a lens
component
..To the front of a basic lens
..To the middle of a basic lens
..To the rear of a basic lens
..With variable magnification
(e.g., zoom type)
..Optically compensated
..Prism lens type
..With fixed conjugates
..Reverse telephoto
...Having eight or nine
components
...Having seven or less
components
..With mechanical compensation
..Other than first group moves
for focusing (internal focus
type)
..Nonlinear variator/compensator
movements
...Four groups
....+ - + + Arrangement
....+ - - + Arrangement
...Three groups
....+ - + Arrangement
...Two groups
....+ - Arrangement
...Three or more movable lens
groups
...Motor driven
....Condition responsive
.....Auto focusing
...Having cam device
....Cam groove type
....Cam ring type or zoom ring
type
...With adjustment lock
...With specified mount
....Having detail of barrel
...With macro type focusing
....With specific ring means
..Diffusing

Including a nonspherical surface
..Conical
..Cylindrical
..Toroidal
..Paraboloidal
..Having six components
..Having five components
..Having four components
..Having three components
..Having two components
..Having one component
...Objective for laser (e.g.,
optical disc, etc.)
..Asymmetric (e.g., prismatic or
eccentric, etc.)
..Plural focal length
..Selective wavelength
..With separate filter
..Annular zonal correcting
..Panoramic
..With reflecting element
..Including concave or convex
reflecting surface
..With aspheric surface (e.g.,
Schmidt lens, etc.)
....With concave and convex
reflectors in series
....With concave and convex
reflectors in series
...Reflectors in series
....With concave and convex
reflectors in series
..Diaphragm
..Between lens components
..With multipart element
..Echelon (e.g., Fresnel lens,
etc.)
...Having curvilinear lens
..Afocal (e.g., Galilean
telescopes, etc.)
..Telephoto
..With five components
..With four components
..With less than four components
.Reverse telephoto
..With eight components
..With seven components
CLASS 359 OPTICAL: SYSTEMS AND ELEMENTS

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

November 2012
Mounted on vehicle having handlebars (e.g., bicycle, motorcycle, etc.)

Automatically adjustable in response to vehicle position, control, or indicator

On adjustable diverse vehicle portion or accessory

Fluid cooled mirror

Including specified control or retention of the shape of a mirror surface

Membrane mirror in mechanical contact only at its edge

With structure to minimize internal mirror stress

Including a plurality of adjustable mirror supports

Plural mirrors or reflecting surfaces

Composite or echelon mirrors or light concentrating array

With a line focus

Light concentrating (e.g., heliostat, etc.), concave, or paraboloidal structure

Identical side mirrors adjustable with respect to a central mirror

Identical adjacent mirrors identically supported

With successive reflections

Including curved mirror surfaces in series

With concave and convex mirrors in series

To view observer

With three or more successive reflections

Including an adjustable mirror

Including a curved mirror

Including adjacent plane and curved mirrors

Relatively adjustable

Wide angle segmented mirrors

Concave cylindrical or providing a line focus

With mirror surface of varied radius

Concave

Fracture resistant (e.g., shatterproof, etc.)

With support

Mirror movable relative to support

With rotary to linear motion converting mirror adjustment

With rotation of mirror about perpendicular axes

With a rigid handle extending to or near a mirror pivot

With rotation of mirror about perpendicular axes

With switch or motor controlling mirror movement

Fluid pressure actuated

Body or apparel mirror support

Having support or apparel engaging head or neck

With mirror supporting column or sliding adjustment

With handle

Laminated or layered mirror support

With selective absorption or transparent overcoating

ABSORPTION FILTER

Fluid

Sequentially additive

Neutral or graded density

Movable in or out of optical path

Superimposed or series

Filters in optical parallel (e.g., colors side-by-side, etc.)

With support or frame

SCREEN (E.G., HALFTONE SCREEN, ETC.)

OPTICAL APERTURE OR TUBE, OR TRANSPARENT CLOSURE

Submerged object viewer

MISCELLANEOUS

CROSS-REFERENCE ART COLLECTIONS

METHODS

ACOUSTIC HOLOGRAPHY

HOLOGRAPHIC INTERFEROMETER

WITH MAGNET

MICRO MIRROR

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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)

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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)