

2	CONTOUR PLOTTING	5.02	...Having return coincide with swept display or detector
3	RANGE OR REMOTE DISTANCE FINDING	5.03	...Having one or more return pulse gates or windows
3.01	..Triangulation ranging to a point with one projected beam	5.04	....Including a displayed image
3.02	..Using photodetection with a fixed axial line of sight	5.05	...Having pulse transmission trigger significance
3.03	..Using a source beam with a fixed axial direction or plane	5.06	....Including optical pick-off of transmission start
3.04	..With a single staring photodetector having one element	5.07	....With specific counter type timing of returns
3.05	....Having moving receiver optics	5.08	....Including specific counter type timing of returns
3.06	..With a single photodetector having multiple elements	5.09	..Of frequency difference
3.07	....Having electronic scanning of the photodetector	5.1	..Of CW phase delay
3.08	..With at least one paired set of staring photodetectors	5.11	...Having multiple carrier or modulation frequencies
3.09	..Requiring scanning of a source beam	5.12	....Including an alternating reference path
3.1	..Triangulation ranging to a point with two or more projected beams	5.13	...Having an alternating reference path
3.11	..Using photodetection at the source station(s)	5.14	...Having polarization discrimination
3.12	..Using photodetection remote from the source station(s)	5.15	...Having specific IF mixing of returns
3.13	..Triangulation ranging with photodetection, but with no projected beam	6	.Instrument condition testing or indicating
3.14	..Using at least a pair of viewing axes	7	.Periscope or offset type
3.15	...With one viewing axis fixed	8	.With view finder
3.16	...With moving optical elements in all viewing axes	9	.Base line instrument (i.e., base is a part of instrument)
4.01	..With photodetection	10	..With filter or light valve
4.02	..Of a simulation or test	11	..Range finder combined with height finder
4.03	..Of focused image size or dimensions	12	..Stereoscopic
4.04	..Of degree of defocus	13	...Ortho-pseudo type
4.05	..Of focal point search	14	...Stationary measuring marks
4.06	..Of differential amplitude at two source or detector distances	15	..Length of base line variable
4.07	..Of intensity proportional to distance	16	..Image displaced by moving refracting element
4.08	..Of height relative to a light plane	17	..Image displaced by rotating reflecting element
4.09	..Of light interference fringes	18	..With mounting, supporting, adjusting, or folding structure
4.1	...Having different frequency sources	19	..Prism structure for determining coincidence
5.01	..Of pulse transit time	20	.External basis type
		21	..Object size or distance known
		22	...With displaced images
		23	MOTION STOPPING (E.G., STROBOSCOPES)

24	.Periodically moving reflecting or refracting element	64	.With light box
25	.Periodically moving light interrupting element	65	..With egg turning or jarring
26	..Vibrating or oscillating element	66	..With particular illumination means
27	VELOCITY OR VELOCITY/HEIGHT MEASURING	67	...With particular electrical switching
28	.With light detector (e.g., photocell)	68	.Lamp attachments
28.5	..Of light interference (e.g., interferometer)	69	CUTTING BLADE SHARPNESS
29	OPTICAL ELEMENT OR RETICLE RESPONDS TO RELATIVE VELOCITY OF REMOTE OBJECT	70	OIL TESTING (E.G., CONTAMINATION)
30	CRYSTAL OR GEM EXAMINATION	71	DOCUMENT PATTERN ANALYSIS OR VERIFICATION
31	.Axes determination	72	WITH PLURAL DIVERSE TEST OR ART PLURAL TEST
32	MATERIAL STRAIN ANALYSIS	73	FOR OPTICAL FIBER OR WAVEGUIDE INSPECTION
33	.With polarized light	73.1	BY DISPERSED LIGHT SPECTROSCOPY
34	..Attached detector	300	.With Raman type light scattering
35	..Sheet material	301	.For spectrographic (i.e., photographic) investigation
35.5	.By light interference detector (e.g., interferometer)	302	..With spectral analysis
36	WITH SAMPLE PREPARATION	303	..With sectored disc
37	.Condensation nuclei detector	304	..With diffraction grating
38	.Depositing particles on optical surface	305	.With internal standard comparison
39	BLOOD ANALYSIS	306	.With background radiation comparison
40	.Hemoglobin concentration	307	.With synchronized spectrum repetitive scanning (e.g., cathode-ray readout)
41	..Oximeters	308	..Using plural beams
42	..Standards	309	.With aperture mask
43	OPTICAL PYROMETERS	310	.With sample excitation (e.g., burning)
44	.With sample engaging rod or tube	311	..By electrical resistance heating (e.g., graphite tube)
45	.Plural color responsive	312	..By arc or spark
46	.With incandescent standard	313	...Including sputtering
47	..Automatic intensity control	314	..By flame
48	..Modulating (e.g., flicker beam)	315	..By high frequency field (e.g., plasma discharge)
49	..Telescopic	316	..By light
50	...Current control	317	...Monochromatic (e.g., laser)
51	INFRARED AND ULTRAVIOLET	318	.Utilizing a spectrophotometer (i.e., plural beam)
52	EGG CANDLING	319	..Having plural wavelengths
53	.Photoelectric	320	..Having servo equalization
54	.With counting, marking, or weighing	321	...With polarized light beams
55	.With egg transfer	322	..Having beam modulation
56	..With egg turning or jarring	323	...With plural dispersion
57	...Endless conveyor	324	...Prior to testing
58	..Endless conveyor	325	.Utilizing a spectrometer
59	..Manual transfer	326	..Having light polarizing means
60	...With light shading chamber	327	
61	...Portable receptacles		
62	.With light shading chamber		
63	..Hood type		

328	..Having diffraction grating means	470	..Passive cavity (laser source outside cavity)
329	...Including servo slit adjustment means	471	..Multi-axis cavity
330	..Having optical gating means	472	..Lock-in prevention
331	..With monochromator structure	473	...Path length control (PLC)
332	..Having adjustable color or bandwidth	474	...Having dither signal removal from output
333	...In a double monochromator	475	...Having dither signal control
334	...With diffraction grating means	476	...By dithering (suspensions, drives, flexures)
335	FOR SIZE OF PARTICLES	477	.Using fiber or waveguide interferometer
336	..By particle light scattering	478	..Multiplexed sensor array
337	BY PARTICLE LIGHT SCATTERING	479	..Having a short coherence length source
338	..With photocell detection	480	..Resonant cavity
339	..At right angles to the light beam (e.g., nephelometer)	481	..Refraction indexing
340	..At variable angle to the light beam	482	..For distance or displacement measurement
341	..For light comparison means	483	..Plural counter-propagating beams (e.g., non-motion Sagnac device)
342	..Of back-scattered light	484	.Having light beams of different frequencies (e.g., heterodyning)
343	..Using plural photocells	485	..For dimensional measurement (e.g., thickness gap, alignment, profile)
344	BY ELECTROPHORESIS	486	...Displacement or distance
450	BY LIGHT INTERFERENCE (E.G., INTERFEROMETER)	487	....Polarization
451	..Spectroscopy	488	....Having wavefront division (e.g., by diffraction)
452	..Having particular linear mirror drive or configuration	489	...Contour or profile
453	..Polarization	490	...Alignment
454	..Fabry-Perot type or Etalon Type	491	.Having polarization
455	..Having a rotating, pendulous, or wedge scanning element	492	..For dimensional measurement
456	..Imaging	493	...Displacement or distance
457	..Holography	494	....Having wavefront division (e.g., by diffraction)
458	..For optical configuration	495	...Contour or profile
459	..Rotation rate (e.g., ring laser gyros)	496	.For dimensional measurement
460	..By fiber or waveguide interferometer (e.g., Sagnac effect)	497	..Having short coherence length source
461	..Resonant loop	498	..Displacement or distance
462	..Multi-axis (X-Y-Z) having multiplexing	499	...Having wavefront division (e.g., by diffraction)
463	..Multiple harmonic output	500	...X-Y and/or Z table
464	..Having null feedback loop	501	...Of probe head (e.g., atomic force microscope)
465	..Fiber coil winding	502	...Surface displacement due to acoustic wave propagation)
466	..Having m x n loop coupler where (m is greater than 2) and (n is greater than or equal to 2) (e.g., passive bias)	503	..Thickness
467	..Four frequency, multi-oscillator, non-planar cavity	504	...Refraction from surfaces of different refractive index
468	..Cavity output beam combiner	505	..Gap
469	..Cavity mirror details		

506	...Fabry-Perot type	137	..Plural prisms
507	...Between slider/disc (e.g., flying height)	138	ANGLE MEASURING OR ANGULAR AXIAL ALIGNMENT
508	..For orientation or alignment	139	.Plural scales or different portions of same scale simultaneously observable
509	...Between mask and wafer	139.01	.Star/Sun/Satellite position indication with photodetection
510	...Tilt	139.02	..With reticle or slot
511	..Contour or profile	139.03	.Relative attitude indication along 3 axes with photodetection
512	...By wavefront detection	139.04	.Automatic following or aligning while indicating measurement
513	....Of highly reflective surface (e.g., mirror)	139.05	..With optical elements moving relative to fixed housing to follow or align
514	.....Planar surface	139.06	..With optical housing moving to follow or align
515	....Of transmission (e.g., lens)	139.07	..With photodetection of reflected beam angle with respect to a unidirectional source beam
516	...Step height (differential, between points)	139.08	...With source beam moving to follow or align
517	.For refractive indexing	139.09	.Wheel alignment with photodetection
518	..Having Schlieren effect	139.1	.Photodetection of inclination from level or vertical
519	.Having partially reflecting plates in series (e.g., Fabry-Perot type)	140	.Apex of angle at observing or detecting station
520	.Having shearing	141.1	..With photodetection of reflected beam angle with respect to a unidirectional source beam
521	.Having wavefront division (by diffraction)	141.2	..With photodetection
364	BY POLARIZED LIGHT EXAMINATION	141.3	...With unidirectional or planar source beam directed at the photodetecting station
365	.With birefringent element	141.4	...With optical scanning of light beam or detector
366	.With polariscopes	141.5	...With at least 2-dimensional sensitivity
367	..Including polarimeters	142	..Scale and remote point simultaneously observable
368	...With electro-optical light rotation	143	...Artificial reference
369	.Of surface reflection	144	..With plural images
370	.With light attenuation	145	...Lines of sight relatively adjustable with two degrees of freedom
121	LAMP BEAM DIRECTION OR PATTERN	146	...Two or more lines of sight deflected
122	.With lamp focusing	147	..Measurement in two planes (e.g., azimuth and elevation; hour angle and declination)
123	FOCAL POSITION OF LIGHT SOURCE		
124	LENS OR REFLECTIVE IMAGE FORMER TESTING		
124.5	.For optical transfer function		
125	.Focal length measuring		
126	..Deflecting or interrupting optical path		
127	.Optical center, cylinder axis, or prism measuring or determining		
128	REFRACTION TESTING (E.G., REFRACTOMETERS)		
129	.Schlieren effect		
130	.Differential		
131	..With servo controlled optical member		
132	...Reflective optical member		
133	.Refractive rod engages specimen		
134	.Prism forming fluid specimen container		
135	.Prism engaging specimen		
136	..Internally reflecting prism		

148	..Artificial reference	627	.Volume
149	...Gyroscope or pendulum stabilized optical element	628	.Area
150	.Sides of angle or axes being aligned transverse to optical axis (e.g., drift meter)	629	..Light scanning
151	..With light pulsing or interrupting means	630	.Thickness
152.1	..With photodetection remote from measured angle	631	..By triangulation
152.2	..With reflection of a unidirectional source beam from a planar or nonretroreflective surface	632	..Of light permeable material
152.3	..With reflection of a unidirectional source beam from a retroreflector	634	.Length
153	.Alignment of axes nominally coaxial	635	.Width or diameter
154	.With screen	636	..Line width
155	..Wheel alignment	637	..Web
600	SURFACE ROUGHNESS	638	..Shadow or beam blocking
601	SHAPE OR SURFACE CONFIGURATION	639	...Scanning
602	.Triangulation	640	....Single beam scans entire width or diameter
603	..Projection of structured light pattern	388	BY CONFIGURATION COMPARISON
604	...Pattern is series of non- intersecting lines	389	.With photosensitive film or plate
605	....Moire	390	.With two images of single article compared
606	..Line of light projected	391	.With projection on viewing screen
607	...Scan	392	..For comparison with master or desired configuration
608	..Scan	393	...Having master or desired configuration projection
609	.By focus detection	394	.With comparison to master, desired shape, or reference voltage
610	.By projection of coded pattern	395	.With relatively movable optical grids
611	.By stereo	396	.With scale or optical grid displaced relative to remote fiducial mark
612	.By specular reflection	397	.With object being compared and scale superimposed
613	.Silhouette	398	.With object being compared and light beam moved relative to each other (e.g., scanning)
614	POSITION OR DISPLACEMENT	399	BY ALIGNMENT IN LATERAL DIRECTION
615	.Position transverse to viewing axis	400	.With light detector (e.g., photocell)
616	..Having scale or grid	401	.With registration indicia (e.g., scale)
617	...Coded scale	402	BY SHADE OR COLOR
618	...Moire	403	.With merging colors or patterns (e.g., Maxwell disc)
619	....Quadrature detection	404	.Photography
620	..Special mark or target on object	405	.Tristimulus examination
621	..Occulting a projected light beam	406	.Trichromatic examination
622	..Position of detected arrangement relative to projected beam	407	.With sample responsive to plural colors applied simultaneously
623	.Triangulation	408	.With sequential comparison of sample and standard
624	.Focus	409	.Fluid color transmission examination
625	DIMENSION		
626	.Cavities		

410	..Of flowing liquids	214	.Pupillary
411	..With plural light detectors (e.g., photocells)	215	.Integrating
412	..With ionic determination	216	.Heat absorbing (e.g., radiometers)
413	..With variable light path length	217	.Modulating (e.g., flicker beam)
414	..With color transmitting filter	218	.Photoelectric
415	...Including liquid filter comparison	219	..Simultaneous sighting and reading measurement
416	..With color transmitting filter	220	..Multiple housings
417	..Included with sample excitation	221	..Responsive to incident or back lighting
418	..Including rotating sequential filters	222	..Plural detectors
419	..Including multicolor filters	223	..Logarithmic
420	..Included with colored light sources	224	..Multisensitivity range
421	..With reflective multicolor chart or standard	225	..With predetector light modifier (e.g., diaphragm)
422	..Plate	226	..Detector and indicator electrical coupling (e.g., amplifying or attenuating)
423	...Disk		
424	..Drum or endless tape	227	..With particular indicator
425	..With color determination by light intensity comparison	228	...Movable scale (e.g., calibrating)
426	BY INSPECTION WITH AGITATION OR ROTATION	229	.Comparison
427	..Of container contents	230	..With light standard
428	..Of containers	231	...Variable incandescent standard
429	BY MONITORING OF WEBS OR THREAD	232	...Standard movable
430	..For flaws or imperfections	233	.With variable light aperture size
431	..Including transverse scanning	234	.Light absorbing
432	FOR LIGHT TRANSMISSION OR ABSORPTION	235	..Absorber continuously variable (e.g., wedge)
433	..By comparison	236	.Integrating spheres
434	..Photoelectric (e.g., sequential viewing)	237.1	INSPECTION OF FLAWS OR IMPURITIES
435	...With plural detectors (e.g., simultaneous viewing)	238.1	.Textile inspection
436	..Of fluent material	238.2	..Elongated textile product (e.g., thread, yarn, etc.)
437	..Gas	238.3	..Detection of foreign material (e.g., trash, splinters, contaminants, etc.)
438	...Exhaust, dust or smoke		
439	...Contained	239.1	.Transparent or translucent material
440	..With significant sample holder or supply	239.2	..Optical element (e.g., contact lens, prism, filter, lens, etc.)
441	..Having particles suspended in liquid		
442	...With light detector	239.3	..Patterned surface
443	..Of photographic film	239.4	..Containers (e.g., bottles)
444	..With scanning, sweeping, or moving detector over film	239.5	...Detection of foreign matter on or in container
445	OF LIGHT REFLECTION (E.G., GLASS)	239.6	...Of container contents
446	..With diffusion	239.7	..Surface condition
447	..With modulation (e.g., flicker beam)	239.8	...Detection of an object or particle on surface
448	..By comparison	240.1	.Containers or enclosures (e.g., packages, cans, etc.)
213	PHOTOMETERS		

241.1	.Bore inspection (e.g., borescopes, intrascope, etc.)		
241.2	..Firearm bore inspection		
241.3	..With adjustable head	900	INTERFEROMETERS (GO1B 9/02)
241.4	..Flexible	901	.Involving fiber optics or integrated optics (GO1B 9/02F)
241.5	..Specific construction of distal end	902	.Involving diffraction gratings (GO1B 9/02G)
241.6	..Having guiding means	903	.Using holographic techniques (GO1B 9/021)
237.2	.Surface condition	904	MEASURING MICROSCOPES (GO1B 9/04)
237.3	..Detection of object or particle on surface	905	MEASURING TELESCOPES (GO1B 9/06)
237.4	...On patterned or topographical surface (e.g., wafer, mask, circuit board)	906	OPTICAL PROJECTION COMPARATORS, E.G., FOR PROFILE (GO1B 9/08)
237.5	..On patterned or topographical surface (e.g., wafer, mask, circuit board)	907	GONIOMETERS (GO1B 9/10)
237.6	.Having predetermined light transmission regions (e.g., holes, aperture, multiple material articles)	908	MEASURING LENGTH, WIDTH, OR THICKNESS (GO1B 11/02)
242.1	THREAD COUNTING	909	.By means of tv-camera scanning (GO1B 11/02B)
243.1	STANDARD	910	.By means of diode-array scanning (GO1B 11/02C)
243.2	.For fluid suspended particles	911	MEASURING THE DEFORMATION IN A SOLID, E.G., OPTICAL STRAIN GAUGE (GO1B 11/16)
243.3	.Flying height testers	912	MEASURING ANGLES (GO1C 1/00)
243.4	.Surface standard	913	.Theodolites (GO1C 1/02)
243.5	..Color	914	..Combined with cameras (GO1C 1/ 04)
243.6	..Foreign object	915	.Sextants (GO1C 1/08)
243.7	..Texture	916	ALTIMETERS FOR AIRCRAFT (GO1C 5/ 00A)
243.8	..Light intensity	917	MEASURING INCLINATION, E.G., BY CLINOMETERS, BY LEVELS (GO1C 9/00)
244	SAMPLE, SPECIMEN, OR STANDARD HOLDER OR SUPPORT (E.G., PLATES OR SLIDES)	918	PHOTOGRAMMETRY; PHOTOGRAPHIC SURVEYING (GO1C 11/00)
245	.Cotton graders	919	.Picture taking arrangements specially adapted for photogrammetry or photographic surveying, e.g., controlling overlapping of pictures (GO1C 11/02)
246	.Fluid containers (e.g., cells or cuvettes)	920	..By scanning the object (GO1C 11/02A)
247	FIDUCIAL INSTRUMENTS	921	.Interpretation of pictures (GO1C 11/04)
248	.Artificial reference	922	PHOTOMETRY, E.G., PHOTOGRAPHIC EXPOSURE METER (GO1J 11/04)
249	..Liquid surface (e.g., bubble level)	923	RADIATION PYROMETRY (GO1J 5/00)
250	..Pendular suspension of optical element or reticle	924	MEASURING VELOCITY OF LIGHT (GO1J 7/00)
251	.Reticle lies outside viewing path	925	MEASURING OPTICAL PHASE DIFFERENCE: MEASURING OPTICAL WAVELENGTH (GO1J 9/00)
252	..Reticle image transversely adjustable relative to optical axis		
253	.Deflection of line of sight		
254	..Two or more deflections		
255	..By reflection		
256	MISCELLANEOUS		

- 926 **MEASURING THE CHARACTERISTICS OF INDIVIDUAL OPTICAL PULSES OR OF OPTICAL PULSE TRAINS (GO1J 11/00)**
- 927 **MEASURING VARIATIONS OF OPTICAL PROPERTIES OF MATERIAL WHEN IT IS STRESSED, E.G., BY PHOTOELASTIC STRESS ANALYSIS USING INFRA-RED, VISIBLE LIGHT, ULTRA-VIOLET (GO1L 1/24)**
- 928 **INVESTIGATING OR ANALYZING MATERIALS BY THE USE OF OPTICAL MEANS, I.E., USING INFRA-RED, VISIBLE, OR ULTRA-VIOLET LIGHT (GO1N 21/00)**
- 929 .Arrangements, or apparatus for facilitating the optical investigation (GO1N 21/01)
- 930 ..Cuvette constructions (GO1N 21/03)
- 931 .Systems in which incident light is modified in accordance with the properties of material investigated (GO1N 21/17)
- 932 ..With opto-acoustic detection, e.g., for gases or analyzing solids (GO1N 21/17B)
- 933 ..With calorimetric detection, e.g., with thermal lens detection (GO1N 21/17C)
- 934 ..With modulation of one or more physical properties of the sample during optical investigation, e.g., Electra reflectance (GO1N 21/17M)
- 935 ..Dichroism (GO1N 21/19)
- 936 ..Polarization-affecting properties (GO1N 21/21)
- 937 ...Ellipsometry (GO1N 21/21B)
- 938 ...Bi-refringence (GO1N 21/23)
- 939 ..Color; spectral properties, i.e., comparison of effect of material on the light at two or more different wavelengths or wavelength bands (GO1N 21/25)
- 940 ...Colorimeters (GO1N 21/25B)
- 941 ...For batch operation, i.e., multi-sample apparatus (GO1N 21/25B2)
- 942 ..Arrangements using two alternating lights and one detector (GO1N 21/25D)
- 943 ...Using photo-electric detection (GO1N 21/27)
- 944 ...For following a reaction, e.g., for determining photometrically a reaction rate (GO1N 21/27C)
- 945 ...Investigating relative effect of material at wavelengths characteristic of specific elements or molecules, e.g., atomic absorption spectrometry (GO1N 21/31)
- 946 ..Holographic interferometry (GO1N 21/45B)
- 947 ..Scattering, i.e., diffuse reflection (GO1N 21/47F)
- 948 .Systems in which the material investigated is excited whereby it emits light or causes a change in wavelength of the incident light (GO1N 21/62)
- 949 ..Optically excited (GO1N 21/63)
- 950 ...Using photolysis and investigating photolyzed fragments (GO1N 21/63C)
- 951 ...Florescence; Phosphorescence (GO1N 21/64)
- 952 ...Raman scattering (GO1N 21/65)
- 953 .Probe photometers (GO1N 21/85B)
- 954 .Scan or image signal processing arrangements specially adapted for investigating the presence of flaws or contaminates, e.g., for scan signal adjustments, for detecting different kinds of defects, for compensating for structures (GO1N 21/88)
- 955 **MEASURING LINEAR OR ANGULAR SPEED UTILIZING DEVICES CHARACTERIZED BY THE USE OF OPTICAL MEANS, E.G., USING INFRA-RED, VISIBLE, OR ULTRA-VIOLET LIGHT (GO1P 3/36)**
- 956 .Using a ring laser (GO1P 3/36B)
- 957 .Using diffraction of light (GO1P 3/36C)
- 958 .Using photographic means (GO1P 3/38)
- 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 **INSPECTION FOR FLAWS OR IMPERFECTIONS (356/237)**
- FOR 101 .Cloth or thread inspection (356/238)
- FOR 102 .Passing light through a transparent or translucent article (356/239)
- FOR 103 ..Containers (e.g., bottles) or contents (356/240)
- FOR 104 .Bore inspection (e.g., borescopes) (356/241)
- FOR 105 **THREAD COUNTING (356/242)**
- FOR 106 **STANDARDS (356/243)**
- FOR 107 **BY LIGHT INTERFERENCE (E.G., INTERFEROMETERS) (356/345)**
- FOR 108 .Spectroscopy (356/346)
- FOR 109 .Holography (356/347)
- FOR 110 ..For optical configuration (356/348)
- FOR 111 .With light beams of different frequency (e.g., heterodyning) (356/349)
- FOR 112 ..For rotation rate (e.g., ring laser) (356/350)
- FOR 113 .With polarization (356/351)
- FOR 114 .With partially reflecting plates in series (e.g., Fabry-Perot type) (356/352)
- FOR 115 .With shearing (356/353)
- FOR 116 .With wavefront division (e.g., by diffraction) (356/354)
- FOR 117 ..For dimensional measurement (e.g., thickness) (356/355)
- FOR 118 ...Of displacement or distance (356/356)
- FOR 119 .For dimensional measurement (e.g., thickness) (356/357)
- FOR 120 ..Of displacement or distance (356/358)
- FOR 121 .For optical configuration (356/359)
- FOR 122 ..With two light beams (e.g., Twyman-Green) (356/360)
- FOR 123 .For refractive indexing (356/361)
- FOR 124 ..With Schlieren effect (356/362)
- FOR 125 .For orientation and alignment (356/363)
- FOR 126 **FOR FLATNESS (356/371)**
- FOR 127 **BY MENSURATION (356/372)**
- FOR 128 .Of article displacement (356/373)
- FOR 129 ..Including moire' fringe (356/374)
- FOR 130 .Of position (356/375)
- FOR 131 .Of contour or profile (356/376)
- FOR 132 ..With curve readers (356/377)
- FOR 133 .Of cavities (356/378)
- FOR 134 .Of area or volume (356/379)
- FOR 135 ..By scanning (356/380)
- FOR 136 .Of thickness (356/381)
- FOR 137 ..Of light permeable material (356/382)
- FOR 138 .Of length (356/383)
- FOR 139 .Of width or diameter (356/384)
- FOR 140 ..Of moving object (356/385)
- FOR 141 ...By scanning or light interruption (356/386)
- FOR 142 ..By scanning or light interruption (356/387)