CLASS 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY SYSTEMS $$345\ \text{-}\ 1$$

418	COMPUTER GRAPHICS PROCESSING	611	Anti-aliasing or image
419	.Three-dimension	64.0	smoothing
420	Solid modelling	612	Save attributes for each
421	Hidden line/surface determining	640	object affecting a given pixel
422	Z buffer (depth buffer)	613	Subpixel processing
423	Tessellation	614	Pixel fragment
424	Voxel	615	Convolving technique
426	Lighting/shading	616	Error diffusion
427	Space transformation	617	Contrast
428	.Adjusting level of detail	618	Image with abnormal condition
581	.Attributes (surface detail or	619	.Graphic manipulation (object
	characteristic, display		processing or display
	attributes)		attributes)
582	Texture	620	Clipping
583	Solid Texture	621	Based on model of objects
584	Bump map	622	Testing or using bounding
585	Non-planar surface		shape (e.g., bounding box
586	Mathematically defined		sphere)
587	MIP map	623	Object clipped to view volume
588	Repeating pattern	624	Object clipped to another
589	Color or intensity		object
590	Gamut clipping or adjustment	625	Based on image data
591	Color processing in perceptual	626	Masking
J J I	color space	627	Non-rectangular array
592	Transparency (mixing color	628	Rectangular region
J J Z	values)	629	Merge or overlay
593	Color selection	630	Combining model
594	Using GUI		representations
595	Expert system or AI	631	Reducing redundancy
596	Dither or halftone	632	Placing generated data in real
597	Color		scene
598	Spatial	633	Augmented reality (real-time)
599	-	634	Image based
600	SpatialColor bit data modification or	635	Non-overlapping
600	conversion	636	Character and graphics
C 0 1		637	Priority based
601	Using look up table	638	Insertion of bitmapped moving
602	Plural look up tables		picture
603	Format change (e.g., NTSC to	639	Weighted
	RGB, RGB to composite, XYZ to	640	Weights vary across image
C O 1	RGB)		(e.g., transition from
604	Color space transformation		foreground to background)
COE	(e.g., RGB to YUV)	641	Fixed overlay pattern
605	Change in number of bits for	642	Picking
	a designated color (e.g., 4	643	Arithmetic processing of image
	bits to 8 bits, 8 bits to 4		data
606	bits)	644	Matrix calculations
000	Interpolation of attribute	645	Hierarchy of transformations
607	values across object surface		(e.g., hierarchy of global and
	In perspective Tri-linear		local coordinate)
608		646	Morphing
609	Bi-linear	647	Distortion
610	Linear	648	Affine
			-

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649	Rotation	689	Textual entry or display of
650	Graphical user interface tools		manipulation information
651	Alignment functions (e.g.,		(e.g., enter or display degree
	snapping, gravity)		of rotation)
652	Constrained manipulations	440	.Graph generating
	(e.g., movement in less than	440.1	Real-time waveform display
	all dimensions)	440.2	Bar graph
653	3D manipulations	441	.Shape generating
654	2D manipulations	442	Curve
655	Object based	443	Straight line
656	Image based (addressing)	467	.Character generating
657	By arbitrary angle	468	Character geometry processing
658	By 90 degrees increment	469	Character generation using
659	Image rotates in response to		control points or hints
	display device orientation	469.1	Character border
660	Scaling	470	Generating character fill data
661	Graphical user interface tools		from outline data
662	Alignment functions (e.g.,	471	Alteration of stored font
002	snapping, gravity)	472	Scaling
663	Constrained manipulations	472.1	Reduction only
000	(i.e., movement in less than	472.2	Enlargement only
	all dimensions)	472.3	Calligraphic
664	3D manipulations	473	.Animation
665	2D manipulations	474	Motion planning or control
666	Object based	475	Temporal interpolation or
667	Image based (addressing)	475	processing
668	By arbitrary ratio	156	2
			DISPLAY PERIPHERAL INTERFACE
		130	DISPLAY PERIPHERAL INTERFACE TURNIT DEVICE
669	By integer multiples		INPUT DEVICE
669 670	By integer multiplesReduction only	157	INPUT DEVICE .Cursor mark position control
669 670 671	<pre>By integer multiplesReduction onlyEnlargement only</pre>	157	INPUT DEVICE .Cursor mark position control device
669 670 671 672	<pre>By integer multiplesReduction onlyEnlargement onlyTranslation</pre>		INPUT DEVICE .Cursor mark position control device Including orientation sensors
669 670 671 672 673	<pre>By integer multiplesReduction onlyEnlargement onlyTranslationAveraging technique</pre>	157	INPUT DEVICE .Cursor mark position control device Including orientation sensors (e.g., infrared, ultrasonic,
669 670 671 672	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create	157 158	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled)
669 670 671 672 673	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columns	157 158 159	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) Having variable cursor speed
669 670 671 672 673 674	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface tools	157 158 159 160	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) Having variable cursor speed Cursor key
669 670 671 672 673	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g.,	157 158 159 160 161	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) Having variable cursor speed Cursor key Joystick
669 670 671 672 673 674	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)	157 158 159 160 161 162	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) Having variable cursor speed Cursor key Joystick Positional storage means
669 670 671 672 673 674	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations	157 158 159 160 161 162 163	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse
669 670 671 672 673 674	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than	157 158 159 160 161 162 163 164	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) Having variable cursor speed Cursor key Joystick Positional storage means Mouse Rotatable ball detector
669 670 671 672 673 674 676 677	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)	157 158 159 160 161 162 163 164 165	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) Having variable cursor speed Cursor key Joystick Positional storage means Mouse Rotatable ball detector Photosensor encoder
669 670 671 672 673 674 676 677	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations	157 158 159 160 161 162 163 164 165 166	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse Rotatable ball detector Photosensor encoder Optical detector
669 670 671 672 673 674 676 677 678	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulations	157 158 159 160 161 162 163 164 165 166 167	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse Rotatable ball detector Photosensor encoder Optical detector .Trackball
669 670 671 672 673 674 676 677 678	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulations2D manipulationsObject based	157 158 159 160 161 162 163 164 165 166 167 168	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) Having variable cursor speed Cursor key Joystick Positional storage means Mouse Rotatable ball detector Photosensor encoder Optical detector Trackball .Including keyboard
669 670 671 672 673 674 676 677 678	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulations0bject basedImage based (addressing)	157 158 159 160 161 162 163 164 165 166 167	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse Rotatable ball detector Photosensor encoder Optical detector Trackball .Including keyboard Portable (i.e., handheld,
669 670 671 672 673 674 676 677 678	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulations0bject basedImage based (addressing)Sprite	157 158 159 160 161 162 163 164 165 166 167 168 169	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse Rotatable ball detector Photosensor encoder Optical detector Trackball .Including keyboard Portable (i.e., handheld, calculator, remote controller)
669 670 671 672 673 674 676 677 678	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulations2D manipulations2D manipulationsSpriteScrolling	157 158 159 160 161 162 163 164 165 166 167 168	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) Having variable cursor speed Cursor key Joystick Positional storage means Mouse Rotatable ball detector Photosensor encoder Optical detector Trackball .Including keyboard Portable (i.e., handheld, calculator, remote controller) Light source associated with
669 670 671 672 673 674 676 677 678 679 680 681 682 683 684 685	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulations2D manipulationsObject basedImage based (addressing)SpriteScrollingAlphanumeric	157 158 159 160 161 162 163 164 165 166 167 168 169	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse Rotatable ball detector Photosensor encoder Optical detector Trackball .Including keyboard .Portable (i.e., handheld, calculator, remote controller) .Light source associated with each key
669 670 671 672 673 674 676 677 678 679 680 681 682 683 684 685 686	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulationsObject basedImage based (addressing)SpriteScrollingAlphanumericMemory addressing	157 158 159 160 161 162 163 164 165 166 167 168 169	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse Rotatable ball detector Photosensor encoder Optical detector .Trackball .Including keyboard .Portable (i.e., handheld, calculator, remote controller) .Light source associated with each key .Having foreign language
669 670 671 672 673 674 676 677 678 679 680 681 682 683 684 685 686 687	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulations2D manipulationsSpriteScrollingSmooth or continuous	157 158 159 160 161 162 163 164 165 166 167 168 169	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse Rotatable ball detector Photosensor encoder Optical detector .Trackball Including keyboard .Portable (i.e., handheld, calculator, remote controller) .Light source associated with each key .Having foreign language capability (e.g., Japanese,
669 670 671 672 673 674 676 677 678 679 680 681 682 683 684 685 686	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulations2D manipulationsSpriteScrollingSpriteScrollingMemory addressingSmooth or continuousAttribute changes during	157 158 159 160 161 162 163 164 165 166 167 168 169 170	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse Rotatable ball detector Photosensor encoder Optical detector .Trackball Including keyboard .Portable (i.e., handheld, calculator, remote controller) .Light source associated with each key .Having foreign language capability (e.g., Japanese, Chinese)
669 670 671 672 673 674 676 677 678 679 680 681 682 683 684 685 686 687	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulations2D manipulationsSpriteScrollingSmooth or continuous	157 158 159 160 161 162 163 164 165 166 167 168 169	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse Rotatable ball detector Photosensor encoder Optical detector .Trackball Including keyboard .Portable (i.e., handheld, calculator, remote controller) .Light source associated with each key .Having foreign language capability (e.g., Japanese, Chinese) .Having programmable function
669 670 671 672 673 674 676 677 678 679 680 681 682 683 684 685 686 687	By integer multiplesReduction onlyEnlargement onlyTranslationAveraging techniqueCopying data to create additional rows or columnsGraphical user interface toolsAlignment functions (e.g., snapping, gravity)Constrained manipulations (i.e., movement in less than all dimensions)3D manipulations2D manipulations2D manipulationsSpriteScrollingSpriteScrollingMemory addressingSmooth or continuousAttribute changes during	157 158 159 160 161 162 163 164 165 166 167 168 169 170	INPUT DEVICE .Cursor mark position control device .Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled) .Having variable cursor speed .Cursor key .Joystick .Positional storage means .Mouse Rotatable ball detector Photosensor encoder Optical detector .Trackball Including keyboard .Portable (i.e., handheld, calculator, remote controller) .Light source associated with each key .Having foreign language capability (e.g., Japanese, Chinese)

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174	Including impedance detection	548	Off-screen memory
175	Including optical detection	549	Color memory
176	Transparent substrate having	550	Multiple planes
	light entrapment capability	551	Character memory
	(i.e., waveguides)	552	.Texture memory
177	Including surface acoustic	553	.Display list memory
	detection	554	.Multi-port memory
178	With alignment or calibration	555	.For storing compressed data
	capability (i.e., parallax	556	.For storing condition code, flag
	problem)		or status
179	.Stylus	557	.Cache
180	.Light pen for CRT display	558	.First in first out (i.e., FIFO)
181	CRT having tracking capability	559	.Register
182	.Light pen for fluid matrix	560	.Row buffer (e.g., line memory)
	display panel	561	.Logical operations
183	.Light pen for controlling plural	562	Bit block transfer
	light-emitting display	563	Mask data operation
	elements (e.g., LED, lamps)	564	.Addressing
184	.Mechanical control (e.g.,	565	Using memory for storing
	rotatable knob, slider)		address information
501	COMPUTER GRAPHIC PROCESSING	566	Address manipulation
	SYSTEM	567	Using decoding
502	.Plural graphics processors	568	Address translation (e.g.,
503	Coprocessor (e.g., graphic	300	between virtual and physical
	accelerator)		addresses)
504	Master-slave processors	569	For 2D coordinate to linear
505	Parallel processors (e.g.,		address conversion
	identical processors)	570	Page mode
506	Pipeline processors	571	Memory addresses arranged in
519	.Integrated circuit (e.g., single	371	matrix row and column
	chip semiconductor device)		addresses)
520	.Interface (e.g., controller)	572	Address generator
522	.Graphic command processing	573	Plural address generators
530	COMPUTER GRAPHICS DISPLAY MEMORY	574	Read/Write address generator
	SYSTEM	204	DISPLAY DRIVING CONTROL CIRCUITRY
531	.Graphic display memory	205	.Physically integral with display
	controller	203	elements
532	Plural memory controllers	206	Having common base or substrate
533	Using different access modes	207	.Light detection means (e.g.,
534	Memory access timing signals	20,	with photodetector)
535	Memory arbitration	690	.Intensity or color driving
536	.Plural storage devices	0,50	control (e.g., gray scale)
537	Data transfer between memories	691	Temporal processing (e.g.,
538	Data transfer between system memory display memory	031	pulse width variation over
539	Double buffered	600	time
540	Interleaved	692	Binary weighted
		693	Non-binary weighted
541	.Shared memory	694	Spatial processing (e.g.,
542	Unified memory architecture		patterns or subpixel
E 4 2	(e.g., UMA)	60 -	configuration)
543	.Memory allocation	695	Subpixels have different
544	.Memory partitioning		shapes
545	.Frame buffer	696	Changing of subpixel location
546	Multi-format frame buffer	co-	over time
547	Memory for storing video data	697	Including optical means

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698	.Adjusting display pixel size or	17	Strokes for forming characters
	pixels per given area (i.e.,	18	Up/down counter
	resolution)	19	Impedance Array
699	Controller automatically senses	20	.Data responsive intensity
	monitor resolution		control
208	.Waveform generator coupled to	21	Magnetic element array
	display elements	22	.Color display
209	Field period polarity reversal	23	.Graphic and alphanumeric display
210	Having three or more voltage	2.4	.Graphic display
	levels	25	.Alphanumeric display
211	.Display power source	26	Character generator
212	Regulating means	27	.Combined with storage means
213	Synchronizing means	28	Addressing
214	.Controlling the condition of	29	.Delay line
	display elements	30	PLURAL PHYSICAL DISPLAY ELEMENT
215	Including priming means	30	CONTROL SYSTEM (E.G., NON-CRT)
1.1	PLURAL DISPLAY SYSTEMS	31	.Physically movable array
1.2	.Data transmitted or received at	32	
1.2	surface of display	34	Optical means interposed in
1.3	.Tiling or modular adjacent		<pre>viewing path (e.g., filters, lens, etc.)</pre>
1.5	displays	33	
2.1	Remotely located		.Segmented display elements
2.2	Presentation of similar images	34	Seven segment display
2.3	Wireless connection	35	Bar graph
3.1		36	Electroluminescent display
3.1	.Diverse systems (e.g., CRT or LCD interface)	2.17	elements
3.2	•	37	Gas discharge display segments
3.2	Frame, field or scan rate conversion	2.0	(e.g., plasma)
3.3		38	Liquid crystal display
3.3	Number of pixels per row or column conversion (i.e.,	2.0	segments
	resolution conversion)	39	Light-emitting diode segments
3.4	Controller automatically	4.0	(LEDS)
J. 1	senses monitor resolution	40	Plural (e.g., stacked,
4	SINGLE DISPLAY SYSTEM HAVING	11	adjacent)
-	STACKED SUPERIMPOSED DISPLAY	41	Fluid light-emitting display
	DEVICES (E.G., TANDEM)	40	elements (e.g., gas, plasma)
5	Diverse display devices	42	Controlling circuitry
6	.Three-dimensional arrays	43	Mask or electrode shape
7	IMAGE SUPERPOSITION BY OPTICAL	44	Solid light-emitting display
,	MEANS (E.G., HEADS-UP DISPLAY)	1 E	elements
8	Operator body-mounted heads-up	45	Electroluminescent
O	display (e.g., helmet mounted	46	Light-emitting diodes
	display)	47	Fluorescent elements
9	.Plural image superposition	48	Light-controlling display
10	DATA RESPONSIVE CRT DISPLAY	4.0	elements
10	CONTROL	49	Electrochromic elements
11	.CRT provides display control	50	Liquid crystal elements
12	.Data responsive deflection and	51	Display element selection
12	intensity control	F.0	circuitry
13	.Data responsive deflection	52	Power supply generating
10	control	F-2	circuitry
14	X and Y axis deflection control	53	Specific waveform (e.g.,
15	Curvilinear deflection control	- 4	square waveforms, sinusoidal)
10	(e.g., lissajous)	54	Field period polarity
16	Stroke or vector		reversal
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55	.Display elements arranged in matrix (e.g., rows and	89	<pre>Gray scale capability (e.g., halftone)</pre>
56	columns)	90	Control means at each display
36	Image shifting means (i.e.,	0.1	element
57	traveling message)	91	Diode or varistor
37	Having endless belt or tape	92	Thin film tansistor (TFT)
58	reader	93	Redundancy (e.g., plural
	Crosstalk elimination		control elements or
59	Matrix for conveying alphanumeric data	0.4	electrodes)
60	Fluid light emitter (e.g., gas,	94	Waveform generation
00		95 0.c	Three or more voltages
61	liquid, or plasma)	96	Field period polarity
62	Shifting meansSpecified plasma coupling	97	reversal
02		97	Ferroelectric liquid crystal
62	path	0.0	elements
63	Intensity control	98	Specific display element
64	Liquid light emitter		control means (e.g., latches,
65	Phosphor excited by fluid	0.0	memories, logic)
<i>C C</i>	response	99	Particular timing circuit
66	Particular discharge path	100	Particular row or column
67	More than two electrodes per	101	control (e.g., shift register)
C 0	element	101	Data signal compensation in
68	Means for combining selective	100	response to temperature
60	and sustain signals	102	Backlight control
69	Resistor-diode arrangement	103	Grouped electrodes (e.g.,
70	Including transformer		matrix partitioned into
71	Electrode insulated from fluid	104	sections)
F.O.	medium	104	Input/output liquid crystal
72	Color	105	display panelElectrochromic elements
73	Incandescent	105	Thermochromic elements
74.1	Cathodolulminescent type	107	Particle suspensions (e.g.,
75.1	Vacuum fluorescent	107	electrophoretic)
75.2	Field emissive (e.g., FED,	108	Plural mechanically movable
7.0	Spindt, microtip, etc.)	100	display elements
76	Electroluminescent	109	Having shutters
77	Brightness or intensity	110	With motor or rotor driver
7.0	control	110	means
78	Having compensating pulse	111	With a permanent magnet placed
79	Field period polarity reversal	T T T	on movable display elements
80	Driving means integral to		on movable display elements
0.1	substrate		
81	Optical addressing (e.g.,		
0.0	photodetection)	anoaa	DESERVED ADM COLLECTIONS
82	Solid body light emitter (e.g.,	CROSS-	-REFERENCE ART COLLECTIONS
0.2	LED)	0.01	
83	Color	901	ELECTRONIC BOOK WITH DISPLAY
84	Light-controlling display	902	MENU DISPLAY
0.5	elements	903	MODULAR DISPLAY
85	Electroscopic (e.g., movable	904	DISPLAY WITH FAIL/SAFE TESTING
	electrodes or electrostatic	0.05	FEATURE
9.6	elements)	905	DISPLAY DEVICE WITH HOUSING
86 87	Magneto-optic	0.45	STRUCTURE
0 /	Liquid crystal display elements (LCD)	947	FONT CHARACTER EDGE PROCESSING
88	elements (LCD)Color		
00	0101		



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