

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

CLASSIFICATION ORDER 1874

NOVEMBER 6, 2007

PROJECT E-6713

**The following classification changes will be effected by this order:**

	<u>Class</u>	<u>Subclass</u>	<u>Art Unit</u>	<u>Ex'r Search Room</u>
<b>Abolished:</b>	715	500, 500.1, 501.1, 502-542	2176	ELEC0000
		Cross-Reference Art Collections:		
		900-911	2176	ELEC0000
<b>Established:</b>	715	200-277	2176	ELEC0000

**The following classes are also impacted by this order:**

355, 358, 361, 382, 704, 707, 709, 711, 713, 714, 717

**This order includes the following:**

- A. CLASSIFICATION MANUAL CHANGES
- B. LISTING OF PRINCIPAL SOURCE OF ESTABLISHED AND DISPOSITION OF ABOLISHED SUBCLASSES
- C. CHANGES TO THE USPC-IPC CONCORDANCE
- D. DEFINITION CHANGES AND NEW OR ADDITIONAL DEFINITIONS

CLASSIFICATION ORDER 1874

NOVEMBER 6, 2007

PROJECT E-6713

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NOVEMBER 2007

* 200	PRESENTATION PROCESSING OF DOCUMENT	* 248	..Format information in separate file
* 201	..Integration of diverse media	* 249	..Format transformation
* 202	..Authoring diverse media presentation	* 250	..Detecting format code change
* 203	..Synchronization of presentation	* 251	..Pagination
* 204	..Presentation attribute (e.g., layout, etc.)	* 252	..Resizing document
* 205	..Hypermedia	* 253	..Automatic placement of document portion
* 206	..Hyperlink organization (e.g., grouping, bookmarking, etc.)	* 254	..Text summarization or condensation
* 207	..Hyperlink display attribute (e.g., color, shape, etc.)	* 255	..Edit, composition, or storage control
* 208	..Hyperlink editing (e.g., link authoring, rerouting, etc.)	* 256	..Text
* 209	..Compound document	* 257	...Spell check
* 210	..Matching application process to displayed media	* 258	...Determining word hyphenation location
* 211	..Drawing	* 259	...Dictionary
* 212	..Spreadsheet	* 260	...Providing synonym for input word
* 213	..Alternative scenario management	* 261	...Input of abbreviated word form
* 214	..Having dimension greater than two	* 262	...Ideographic generator
* 215	..Including graph or chart of spreadsheet information	* 263	...Utilizing geometric (e.g., stroke, etc.) data
* 216	..Cell protection	* 264	...Multilingual
* 217	..Cell format	* 265	...Having desired language selection
* 218	...Cell hiding	* 266	...Footnoting
* 219	..Particular calculation of cell content	* 267	...Equation or formula processing
* 220	..Particular cell content modification	* 268	...Handwritten textual input
* 221	..Form	* 269	...Font selection
* 222	..Form creation	* 270	...Outlining
* 223	...By editing existing form	* 271	...Replacement of element
* 224	..Form filling	* 272	..Block control
* 225	...Fitting data into field on form	* 273	..Display processing
* 226	...Automatic	* 274	..Print preview
* 227	..Table	* 275	..Color attribute
* 228	..Ruled lines	* 276	..Utilizing page description language
* 229	..Version management	* 277	..Plural documents or plural portions of single document
* 230	..Annotation control	700	OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)
* 231	..Automatically generated	701	..Force feedback interaction
* 232	..Positioning of annotation	702	..Tactile based interaction
* 233	..Annotation by other than text (e.g., image, etc.)	703	..Cultural based (including language, time, monetary units displayed)
* 234	..Structured document (e.g., HTML, SGML, ODA, CDA, etc.)	704	..Playback of recorded user events (e.g., script or macro playback)
* 235	..Stylesheet layout creation/editing (e.g., template used to produce stylesheet, etc.)	705	..Help presentation
* 236	..Stylesheet based markup language transformation/translation (e.g., to a published format using stylesheet, etc.)	706	..Virtual character or avatar (e.g., animated person)
* 237	..Markup language syntax validation	707	..Adaptive to user skill level
* 238	..Accommodating varying screen size	708	..Context sensitive
* 239	..Conversion from one markup language to another (e.g., XML to HTML or utilizing an intermediate format, etc.)	709	...Coaching (e.g., animated examples, or handholding or show me execution)
* 240	..Frames	710	...Input alert
* 241	..Placemark-based indexing	711	...Tool tip (e.g., cursor position based)
* 242	..Structured document compression	712	...Topic roadmap or index
* 243	..Layout	713	...Hierarchical
* 244	..Spacing control	714	..Combining diverse help information (e.g., different sources)
* 245	...Horizontal spacing	715	..Balloon or bubble appearance
* 246	..Area designation	716	..On screen video or audio system interface
* 247	..Boundary processing	717	..Multiple diverse systems
		718	...Mode switching interface (e.g., switching between TV and computer)

# Title Change  
\* Newly Established Subclass@ Indent Change  
& Position Change

OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)	762	.User interface development (e.g., GUI builder)
.On screen video or audio system interface	763	..Graphical or iconic based (e.g., visual program)
719 ..Video interface	764	..On-screen workspace or object
720 ...Video traversal control	765	..Customizing multiple diverse workspace objects
721 ...Indexed control	766	..Z order of multiple diverse workspace objects
722 ...Video parameter control	767	..Focus control of multiple diverse workspace objects
723 ..For video segment editing or sequencing	768	..Translucency or transparency interface element (e.g., invisible control)
724 ...Cut and paste operation	769	..Data transfer operation between objects (e.g., drag and drop)
725 ...Trimming	770	...Cut and paste
726 ...Effects or transitions interface	771	..Instrumentation and component modeling (e.g., interactive control panel, virtual device)
727 .Audio user interface	772	...Progress or activity indicator
728 ..Audio input for on-screen manipulation (e.g., voice controlled GUI)	773	...Virtual input device (e.g., virtual keyboard)
729 ..For a visually challenged user	774	..Ticker metaphor
730 .Presentation to audience interface (e.g., slide show)	775	..Office layout metaphor (e.g., filing cabinet, desk)
731 ..Authoring tool	776	..Indexed book or notebook metaphor
732 ..Slide manipulating or editing	777	..Tab metaphor (e.g., property sheet)
733 ..For plural users or sites (e.g., network)	778	..Multiple virtual screen or desktop switching
734 ..Interactive network representation of devices (e.g., topology of workstations)	779	..Task bar or desktop control panel
735 ...Configuration	780	..Entry field (e.g., text entry field)
736 ...Network managing or monitoring status	781	..Window or viewpoint
737 ...User navigation between devices	782	...3D Perspective view of window layout
738 ..Network resource browsing or navigating	783	...On-screen window list or index
739 ...Selecting from a resource list (e.g., address book)	784	...Window scrolling
740 ..Remote operation of computing device	785	....Autoscroll
741 ..Access control or permission	786	....Scroll tool (e.g., scroll bar)
742 ...Interactive portal (e.g., secure point of access)	787	....With content attributes on scroll tool
743 ...Access rights to interactive controls	788	...Layout modification (e.g., move or resize)
744 ..Interface customization or adaption (e.g., client server)	789	....Based on usage or user profile (e.g., frequency of use)
745 ...Based on stored usage or user profile (e.g., frequency of use, cookies)	790	....Overlap control
746 ...Interface conversion	791	....Always on top
747 ...End user based (e.g., preference setting)	792	....Tiling or split pane
748 .User interactive multicomputer data transfer (e.g., file transfer)	793	....Cascading
749 ..Downloading remote executables (e.g., Java, CGI)	794	....Priority or overlap change (e.g., z-order)
750 ..Multiple users on a single workstation	795	.....Minimizing or send to bottom
751 .Computer supported collaborative work between plural users	796	.....Bring to top
752 ..Interactive email	797	....Viewing lower priority windows (e.g., overlapped windows)
753 ..Computer conferencing	798	...Combining moving and resizing operation (e.g., moving causes resizing)
754 ...Multicursor (e.g., multiple on-screen pointers)	799	....Moving (e.g., translating)
755 ...Floor control	800	...Resizing (e.g., scaling)
756 ...Real Time Video	801	....Contained object scale change
757 ..Virtual 3D environment	802	...Focus control
758 ...Chat room		
759 ..Group window		
760 .Mark up language interface (e.g., HTML)		
761 .Plural adjacent interactive display devices		

NOVEMBER 2007

	OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)	851	...On-screen navigation control
	..On-screen workspace or object	852	...Picking 3D objects
	..Window or viewpoint	853	..Hierarchy or network structure
803	...Window differentiation	854	...Navigation within structure
804	...Interwindow link or communication	855	...On-screen roadmap or index
805	....On-screen link or communication (e.g., cue)	856	..Cursor
806	...Window memory structure	857	...Pointer direction adjustment
807	....Stored priority attribute	858	...Automatic position adjustment
808	..Pop-up control	859	...Status indicator
809	..Dialog box	860	...Selection emphasis
810	..Menu or selectable iconic array (e.g., palette)	861	...Dynamically changed appearance (e.g., animated or live action)
811	...Based on usage or user profile (e.g., frequency of use)	862	...Proximity detection
812	....Preselection (e.g., best guess before mouse click)	863	..Gesture-based
813	....Default selection item	864	..For a small display screen (e.g., personal digital assistant, palm-top)
814	...Limited time selection opportunity	865	..Miscellaneous interface for the handicapped or disable user
815	...Sizing modification (e.g., scaling)	866	..Miscellaneous customization or adaptation
816	...Partial input lookup (e.g., partial string lookup)	867	SCREEN SAVER DISPLAY
817	...Context location indication (e.g., previous or next menu item indication)		*****
818	....Simultaneous next and previous indication (e.g., menu road map)	961	CROSS-REFERENCE ART COLLECTIONS
819	....Next menu indication		*****
820	....Previous menu indication	962	OPERATOR INTERFACE WITH VISUAL STRUCTURE OR FUNCTION DICTATED BY INTENDED USE
821	...Emphasis		..Operator interface for marketing or sales
822	....Preselection emphasis	963	..Calendar or scheduling
823	....Selection or confirmation emphasis	964	..CAD or CAM (e.g., interactive design tools)
824	....Unavailable emphasis	965	..For process control and configuration
825	...Dynamically generated menu items	966	..Computer process (e.g., operation of computer)
826	...Add on item (e.g., software developed, customized)	967	...Visual or iconic programming
827	...Mnemonic (e.g., accelerator key)	968	...Interface for database querying and retrieval
828	...Partial menu display (e.g., one menu item at a time)	969	..Network layout and operation interface
829	....Advancing to next menu item in the same menu	970	..Instrumentation and component modelling (e.g., interactive control panel)
830	.....Scrolling (e.g., spin dial)	970.1	..Amusement or marital aid interface
831	....With specific input device	971	COOPERATIVE DECISION SUPPORT SYSTEMS FOR GROUP OF USERS
832	...Analog selection style		INSERTED REAL-TIME VIDEO IN OPERATOR INTERFACE
833	...Slider control	972	SCROLL TOOL (E.G., WINDOW SCROLL BAR)
834	...Radial based (e.g., radial or pie menu)	973	SLIDER CONTROL AS ON-SCREEN OBJECT IN OPERATOR INTERFACE
835	...Selectable iconic array	974	POP-UP DIALOG BOX FOR ENTRY
836	....3D icons	975	3-D ICON
837	....Compound or aggregate icon	976	DYNAMIC ICON (E.G., ANIMATED OR LIVE ACTION)
838	....Thumbnail or scaled image	977	AUDIO INTERACTION AS PART OF AN OPERATOR INTERFACE
839	....Imitating real life object		*****
840	...Using button array	978	FOREIGN ART COLLECTION
841	...Sub-menu structure		*****
842	...Tear off		CLASS-RELATED FOREIGN DOCUMENTS
843	....Pull down	FOR000	OPERATOR INTERFACE (345/326)
844	...Timed	FOR 176	
845	...Multiple selections in a single menu		
846	..Non-array icons		
847	...Shortcut		
848	..Interface represented by 3D space		
849	...Individual object		
850	...Navigation within 3D space		

# Title Change  
\* Newly Established Subclass@ Indent Change  
& Position Change

## OPERATOR INTERFACE (345/326)

- FOR 177 .Interaction in a television environment  
(345/327)
- FOR 178 ..For video segment editing or  
sequencing (345/328)
- FOR 179 .For plural users or sites (345/329)
- FOR 180 ..Computer conferencing (345/330)
- FOR 181 ..Computer supported cooperative work  
(345/331)
- FOR 182 ...Group window (345/332)
- FOR 183 .Interface customization or edition  
(345/333)
- FOR 184 ..Graphical appearance (345/334)
- FOR 185 ..Link between object and task or  
function (e.g., client/server)  
(345/335)
- FOR 186 .Having on-line help (345/336)
- FOR 187 ..Adaptive to user skill level (345/337)
- FOR 188 ..Context sensitive (345/338)
- FOR 189 .On-screen workspace or object (345/339)
- FOR 190 ..Window (345/340)
- FOR 191 ...Window scrolled to needed portion  
(345/341)
- FOR 192 ...Layout modification (e.g., move or  
resize) (345/342)
- FOR 193 ...Window differentiation (345/343)
- FOR 194 ....Priority (345/344)
- FOR 195 .....Viewing lower priority window  
(345/345)
- FOR 196 ...Interwindow link or communication  
(345/346)
- FOR 197 ..Pop-up control (e.g., message or  
dialog box) (345/347)
- FOR 198 ..Icon (345/348)
- FOR 199 ..Metaphoric icon object (345/349)
- FOR 200 ....Indexed book or notebook (345/350)
- FOR 201 ....Office layout (e.g., filing cabinet,  
desk) (345/351)
- FOR 202 ..Menu (345/352)
- FOR 203 ...Sub-menu structure (345/353)
- FOR 204 ...Using button array (345/354)
- FOR 205 ..Interface represented by 3D space  
(345/355)
- FOR 206 ..Hierarchy or network structure  
(345/356)
- FOR 207 ...Navigation within structure (345/357)
- FOR 208 .Gestured-based (345/358)

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
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<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
705/39	1	715/501.1	274
715/200	8	715/500	176
	1	715/500.1	293
	7	715/501.1	274
	1	715/505	51
	2	715/506	32
	3	715/507	87
	1	715/509	47
	1	715/515	60
	1	715/517	169
	1	715/519	31
	3	715/530	247
	1	715/539	23
	1	715/542	62
715/201	11	715/500	176
	50	715/500.1	293
	23	715/501.1	274
	4	715/502	50
	7	715/503	129
	2	715/506	32
	11	715/507	87
	1	715/508	23
	3	715/509	47
	4	715/511	74
	8	715/512	104
	16	715/513	523
	2	715/514	60
	1	715/515	60
	6	715/517	169
	3	715/518	19
	1	715/519	31
	5	715/520	31
	2	715/521	25
	5	715/522	32
	8	715/523	90
	12	715/526	139
	3	715/527	27
	1	715/528	11
	5	715/529	31
	18	715/530	247
	21	715/531	203
	2	715/532	58
	3	715/533	85

NOVEMBER 6, 2007

PROJECT E-6713

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<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/201	3	715/534	28
	2	715/535	62
	4	715/536	48
	1	715/539	23
	3	715/540	30
	1	715/542	62
	9	715/500	176
715/202	65	715/500.1	293
	10	715/501.1	274
	5	715/502	50
	4	715/503	129
	1	715/505	51
	1	715/506	32
	4	715/507	87
	1	715/509	47
	1	715/510	6
	2	715/511	74
	7	715/512	104
	15	715/513	523
	1	715/514	60
	2	715/515	60
	2	715/516	27
	12	715/517	169
	3	715/520	31
	2	715/521	25
	3	715/523	90
	2	715/525	28
	6	715/526	139
	2	715/528	11
	10	715/530	247
	7	715/531	203
	2	715/532	58
	2	715/533	85
	4	715/534	28
2	715/535	62	
2	715/536	48	
1	715/537	8	
1	715/538	19	
2	715/539	23	
1	715/542	62	
715/203	7	715/500	176
	69	715/500.1	293
	6	715/501.1	274

NOVEMBER 6, 2007

PROJECT E-6713

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715/203	2	715/503	129
	1	715/505	51
	1	715/506	32
	1	715/507	87
	3	715/508	23
	1	715/510	6
	3	715/511	74
	10	715/512	104
	9	715/513	523
	1	715/515	60
	3	715/516	27
	2	715/517	169
	2	715/519	31
	1	715/520	31
	1	715/521	25
	2	715/523	90
	1	715/524	11
	7	715/526	139
	5	715/530	247
	3	715/531	203
	1	715/533	85
	1	715/534	28
	2	715/535	62
	1	715/536	48
	1	715/538	19
	4	715/541	34
	1	715/542	62
715/204	7	715/500.1	293
	2	715/501.1	274
	1	715/502	50
	3	715/503	129
	4	715/513	523
	1	715/515	60
	3	715/517	169
	1	715/520	31
	1	715/530	247
	1	715/538	19
	1	715/542	62
715/205	32	715/500	176
	16	715/500.1	293
	68	715/501.1	274
	4	715/502	50
	9	715/503	129

NOVEMBER 6, 2007

PROJECT E-6713

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<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/205	1	715/504	21
	4	715/505	51
	3	715/506	32
	2	715/507	87
	3	715/509	47
	8	715/511	74
	12	715/512	104
	64	715/513	523
	11	715/514	60
	3	715/515	60
	4	715/516	27
	16	715/517	169
	1	715/520	31
	1	715/521	25
	3	715/522	32
	8	715/523	90
	1	715/524	11
	2	715/525	28
	8	715/526	139
	1	715/527	27
	1	715/528	11
	2	715/529	31
	21	715/530	247
	15	715/531	203
	1	715/532	58
	1	715/533	85
	4	715/535	62
	5	715/536	48
	6	715/537	8
	3	715/538	19
	1	715/540	30
	1	715/541	34
	6	715/542	62
715/206	10	715/500	176
	1	715/500.1	293
	25	715/501.1	274
	1	715/503	129
	1	715/504	21
	6	715/511	74
	17	715/513	523
	4	715/514	60
	4	715/517	169
1	715/518	19	

NOVEMBER 6, 2007

PROJECT E-6713

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715/206	3	715/523	90	
	2	715/526	139	
	1	715/527	27	
	5	715/530	247	
	5	715/531	203	
	3	715/532	58	
	2	715/533	85	
	1	715/539	23	
	715/207	2	715/500	176
		3	715/500.1	293
22		715/501.1	274	
3		715/502	50	
1		715/503	129	
4		715/505	51	
1		715/506	32	
8		715/507	87	
4		715/509	47	
2		715/511	74	
1		715/512	104	
37		715/513	523	
3		715/514	60	
1		715/516	27	
3		715/517	169	
1		715/522	32	
3		715/523	90	
10		715/526	139	
10		715/530	247	
4		715/531	203	
1	715/536	48		
1	715/537	8		
1	715/539	23		
4	715/542	62		
715/208	6	715/501.1	274	
	2	715/513	523	
	1	715/514	60	
	1	715/515	60	
	1	715/517	169	
	1	715/520	31	
	1	715/522	32	
	1	715/524	11	
	2	715/530	247	
	2	715/531	203	

NOVEMBER 6, 2007

PROJECT E-6713

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	12	715/500.1	293
	11	715/501.1	274
	11	715/502	50
	17	715/503	129
	1	715/504	21
	5	715/505	51
	3	715/506	32
	12	715/507	87
	7	715/509	47
	1	715/510	6
	3	715/511	74
	5	715/512	104
	20	715/513	523
	4	715/514	60
	15	715/515	60
	1	715/516	27
	14	715/517	169
	2	715/518	19
	2	715/519	31
	8	715/520	31
	2	715/521	25
	9	715/522	32
	9	715/523	90
	1	715/524	11
	4	715/525	28
	13	715/526	139
	10	715/527	27
	2	715/528	11
	1	715/529	31
	24	715/530	247
	11	715/531	203
	5	715/532	58
	1	715/533	85
	1	715/534	28
	1	715/536	48
	1	715/538	19
	2	715/539	23
	1	715/540	30
	2	715/541	34

NOVEMBER 6, 2007

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715/210	10	715/500	176
	10	715/500.1	293
	13	715/501.1	274
	5	715/502	50
	12	715/503	129
	2	715/504	21
	3	715/505	51
	1	715/506	32
	5	715/507	87
	8	715/508	23
	3	715/509	47
	7	715/511	74
	12	715/512	104
	33	715/513	523
	10	715/514	60
	9	715/515	60
	6	715/516	27
	26	715/517	169
	2	715/518	19
	8	715/519	31
	2	715/520	31
	5	715/521	25
	3	715/522	32
	7	715/523	90
	1	715/524	11
	4	715/525	28
	19	715/526	139
	1	715/527	27
	11	715/529	31
	22	715/530	247
	44	715/531	203
	3	715/532	58
	6	715/533	85
	1	715/534	28
	7	715/535	62
	3	715/536	48
	6	715/538	19
	7	715/539	23
	6	715/540	30
	2	715/541	34
	16	715/542	62

NOVEMBER 6, 2007

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715/211	1	715/502	50
	1	715/516	27
	1	715/517	169
715/212	1	715/502	50
	33	715/503	129
	2	715/504	21
	1	715/506	32
	6	715/509	47
	5	715/513	523
	1	715/514	60
	2	715/517	169
	1	715/520	31
	1	715/526	139
	1	715/530	247
	1	715/531	203
	1	715/534	28
	1	715/539	23
715/213	4	715/503	129
	1	715/505	51
	1	715/523	90
715/214	1	715/504	21
715/215	1	715/500	176
	1	715/503	129
	1	715/516	27
	1	715/517	169
715/217	3	715/503	129
	3	715/504	21
	1	715/507	87
	1	715/509	47
	2	715/521	25
	1	715/533	85
	1	715/541	34
715/219	1	715/500.1	293
	1	715/502	50
	10	715/503	129
	1	715/504	21
	1	715/505	51
	1	715/509	47
	1	715/513	523
	1	715/515	60
	1	715/526	139
	1	715/530	247
	1	715/531	203

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/219	1	715/538	19
715/220	5	715/503	129
	5	715/504	21
	2	715/509	47
	1	715/510	6
	1	715/531	203
715/221	1	715/505	51
	1	715/506	32
	1	715/508	23
	2	715/513	523
	1	715/530	247
715/222	2	715/500	176
	1	715/501.1	274
715/222	4	715/505	51
	2	715/506	32
	1	715/507	87
	1	715/512	104
	1	715/513	523
	1	715/514	60
	1	715/522	32
	3	715/530	247
	2	715/531	203
	1	715/532	58
	1	715/540	30
	1	715/541	34
715/223	1	715/500	176
	1	715/502	50
	3	715/505	51
	1	715/506	32
	2	715/507	87
	2	715/509	47
	1	715/510	6
	1	715/511	74
	2	715/513	523
	1	715/514	60
	2	715/515	60
	2	715/517	169
	1	715/519	31
	2	715/526	139
	1	715/528	11
	2	715/529	31
	2	715/531	203
	1	715/532	58

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/223	1	715/534	28
	1	715/536	48
	1	715/542	62
715/224	3	715/506	32
	10	715/507	87
	2	715/513	523
	1	715/526	139
	1	715/530	247
	3	715/541	34
715/225	1	715/507	87
	2	715/508	23
	1	715/530	247
715/226	1	715/505	51
	2	715/506	32
715/226	3	715/507	87
715/227	1	715/503	129
	1	715/504	21
	1	715/505	51
	1	715/509	47
	1	715/511	74
	6	715/513	523
	1	715/517	169
	1	715/531	203
715/228	1	715/508	23
	1	715/510	6
715/229	7	715/500	176
	3	715/500.1	293
	5	715/501.1	274
	3	715/505	51
	2	715/509	47
	10	715/511	74
	1	715/512	104
	7	715/513	523
	2	715/515	60
	2	715/517	169
	1	715/518	19
	4	715/530	247
	1	715/538	19
	2	715/540	30
	1	715/542	62
715/230	2	715/500	176
	1	715/511	74
	6	715/512	104

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/230	4	715/513	523
	3	715/530	247
	2	715/541	34
715/231	2	715/512	104
	1	715/513	523
715/233	1	715/500.1	293
	6	715/512	104
	3	715/513	523
	1	715/521	25
	1	715/529	31
	1	715/536	48
715/234	27	715/500	176
	8	715/500.1	293
	33	715/501.1	274
	6	715/502	50
	8	715/503	129
	9	715/505	51
	3	715/506	32
	3	715/507	87
	4	715/509	47
	15	715/511	74
	12	715/512	104
	136	715/513	523
	10	715/514	60
	9	715/515	60
	4	715/516	27
	14	715/517	169
	1	715/518	19
	4	715/519	31
	1	715/520	31
	3	715/521	25
	2	715/522	32
	22	715/523	90
	1	715/524	11
	7	715/525	28
	18	715/526	139
	3	715/527	27
	2	715/528	11
	3	715/529	31
	43	715/530	247
	22	715/531	203
	5	715/532	58
	7	715/533	85

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>	
715/234	5	715/534	28	
	7	715/535	62	
	6	715/536	48	
	1	715/538	19	
	4	715/539	23	
	5	715/540	30	
	3	715/541	34	
	10	715/542	62	
	715/235	6	715/500	176
		1	715/500.1	293
4		715/501.1	274	
1		715/505	51	
2		715/506	32	
3		715/507	87	
1		715/508	23	
1		715/511	74	
4		715/512	104	
22		715/513	523	
3		715/515	60	
1		715/516	27	
8		715/517	169	
1		715/518	19	
4		715/519	31	
3		715/520	31	
2		715/521	25	
4		715/522	32	
4		715/523	90	
2		715/524	11	
1		715/525	28	
5		715/526	139	
2		715/527	27	
2		715/529	31	
4		715/530	247	
6		715/531	203	
1		715/532	58	
1	715/540	30		
1	715/542	62		
715/236	7	715/500	176	
	8	715/500.1	293	
	14	715/501.1	274	
	2	715/502	50	
	5	715/505	51	
	3	715/506	32	

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/236	9	715/507	87
	2	715/508	23
	3	715/509	47
	1	715/511	74
	6	715/512	104
	44	715/513	523
	4	715/514	60
	4	715/515	60
	2	715/516	27
	3	715/517	169
	1	715/519	31
	1	715/523	90
	1	715/524	11
	8	715/526	139
	1	715/528	11
	1	715/529	31
	17	715/530	247
	11	715/531	203
	11	715/532	58
	11	715/533	85
	1	715/534	28
	4	715/535	62
	6	715/536	48
	1	715/538	19
	1	715/539	23
	4	715/540	30
	2	715/542	62
715/237	2	715/500	176
	7	715/513	523
	1	715/517	169
	1	715/531	203
715/238	1	715/513	523
	1	715/517	169
	1	715/542	62
715/239	1	715/500	176
	1	715/500.1	293
	1	715/512	104
	28	715/513	523
	1	715/514	60
	1	715/515	60
	2	715/517	169
	11	715/523	90
	1	715/532	58

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/240	1	715/500.1	293
	1	715/501.1	274
	5	715/513	523
	1	715/523	90
	1	715/500	176
715/241	4	715/513	523
715/242	3	715/513	523
715/243	1	715/500	176
	5	715/500.1	293
	1	715/503	129
	1	715/504	21
	1	715/513	523
	3	715/517	169
	2	715/530	247
	1	715/531	203
	1	715/532	58
	1	715/514	60
715/244	2	715/517	169
	2	715/519	31
	1	715/502	50
715/245	1	715/519	31
	1	715/530	247
	1	715/534	28
	3	715/500	176
715/246	1	715/500.1	293
	1	715/501.1	274
	1	715/507	87
	1	715/508	23
	2	715/511	74
	1	715/512	104
	3	715/513	523
	1	715/515	60
	7	715/517	169
	2	715/518	19
	3	715/520	31
	1	715/521	25
	2	715/526	139
	1	715/527	27
	1	715/529	31
	1	715/530	247
	4	715/531	203
	10	715/532	58
	4	715/533	85

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/246	1	715/534	28
	1	715/539	23
	1	715/541	34
715/247	1	715/500	176
	2	715/501.1	274
	1	715/512	104
	3	715/517	169
	1	715/521	25
	1	715/526	139
	1	715/527	27
	1	715/530	247
	2	715/531	203
	1	715/542	62
715/248	1	715/500.1	293
	1	715/513	523
	1	715/522	32
	1	715/525	28
	1	715/530	247
715/248	1	715/532	58
715/249	1	715/500	176
	1	715/513	523
	3	715/517	169
	2	715/523	90
	1	715/525	28
715/250	1	715/517	169
715/251	3	715/500	176
	7	715/500.1	293
	2	715/501.1	274
	1	715/507	87
	1	715/511	74
	1	715/513	523
	5	715/517	169
	3	715/525	28
	1	715/530	247
715/253	3	715/517	169
	1	715/525	28
	1	715/530	247
	1	715/531	203
715/254	1	715/500.1	293
	1	715/501.1	274
	2	715/530	247

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>	
715/255	3	715/500	176	
	9	715/500.1	293	
	4	715/501.1	274	
	2	715/502	50	
	2	715/503	129	
	2	715/504	21	
	2	715/505	51	
	3	715/507	87	
	2	715/508	23	
	3	715/511	74	
	3	715/512	104	
	5	715/513	523	
	3	715/514	60	
	3	715/515	60	
	11	715/517	169	
	1	715/520	31	
	2	715/522	32	
	3	715/523	90	
	2	715/525	28	
	2	715/526	139	
	1	715/527	27	
	1	715/528	11	
	17	715/530	247	
	5	715/531	203	
	2	715/532	58	
	2	715/540	30	
	715/256	3	715/500	176
		1	715/500.1	293
		2	715/501.1	274
		2	715/511	74
5		715/513	523	
1		715/518	19	
1		715/521	25	
1		715/523	90	
1		715/526	139	
7		715/530	247	
3		715/531	203	
2		715/533	85	
1		715/534	28	
2		715/535	62	
2		715/540	30	

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/257	1	715/518	19
	1	715/531	203
	2	715/532	58
	38	715/533	85
	5	715/534	28
	1	715/535	62
	1	715/536	48
	715/258	4	715/531
715/259	1	715/533	85
	1	715/501.1	274
715/260	1	715/509	47
	1	715/517	169
	1	715/526	139
	1	715/529	31
	5	715/530	247
	5	715/531	203
	3	715/532	58
	2	715/533	85
	1	715/534	28
	2	715/535	62
	2	715/536	48
	2	715/512	104
	1	715/531	203
2	715/532	58	
715/261	1	715/534	28
715/262	1	715/513	523
	6	715/535	62
	1	715/536	48
	3	715/542	62
715/263	1	715/531	203
	1	715/533	85
	10	715/535	62
	1	715/541	34
715/264	2	715/542	62
	1	715/500	176
	1	715/503	129
	4	715/519	31
	2	715/524	11
	2	715/531	203
	1	715/533	85
	12	715/535	62
	11	715/536	48
	2	715/542	62

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/265	1	715/517	169
	1	715/536	48
715/267	1	715/530	247
	4	715/531	203
	1	715/533	85
	2	715/538	19
715/268	1	715/500	176
	1	715/500.1	293
	1	715/526	139
	2	715/531	203
	3	715/541	34
715/269	1	715/523	90
	1	715/531	203
	6	715/542	62
715/271	1	715/513	523
	1	715/531	203
	1	715/532	58
	2	715/540	30
715/272	1	715/500	176
	2	715/500.1	293
	2	715/501.1	274
	1	715/507	87
	1	715/513	523
	1	715/529	31
	2	715/530	247
715/272	3	715/531	203
	1	715/539	23
	1	715/542	62
715/273	4	715/500	176
	6	715/500.1	293
	7	715/501.1	274
	1	715/502	50
	2	715/503	129
	2	715/507	87
	1	715/508	23
	1	715/509	47
	1	715/511	74
	2	715/513	523
	2	715/514	60
	1	715/516	27
	2	715/517	169
	1	715/521	25
	14	715/526	139

NOVEMBER 6, 2007

PROJECT E-6713

SOURCE CLASSIFICATION(S) OF PATENTS  
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>New Classification</u>	<u>Number of ORs</u>	<u>Source Classification</u>	<u>Number of ORs</u>
715/273	2	715/530	247
	2	715/531	203
	1	715/535	62
	1	715/536	48
	10	715/541	34
715/274	1	715/517	169
	1	715/526	139
	2	715/527	27
	1	715/530	247
715/275	1	715/500.1	293
	1	715/526	139
	1	715/530	247
715/277	2	715/526	139
715/762	1	715/503	129

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/500	176	715/200	8
		715/201	11
		715/202	9
		715/203	7
		715/205	32
		715/206	10
		715/207	2
		715/209	8
		715/210	10
		715/215	1
		715/222	2
		715/223	1
		715/229	7
		715/230	2
		715/234	27
		715/235	6
		715/236	7
		715/237	2
		715/239	1
		715/241	1
		715/243	1
		715/246	3
		715/247	1
		715/249	1
		715/251	3
		715/255	3
		715/256	3
715/264	1		
715/268	1		
715/272	1		
715/273	4		
715/500.1	293	715/200	1
		715/201	50
		715/202	65
		715/203	69
		715/204	7
		715/205	16
		715/206	1
		715/207	3
		715/209	12
		715/210	10
		715/219	1
		715/229	3
		715/233	1

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/500.1	293	715/234	8
		715/235	1
		715/236	8
		715/239	1
		715/240	1
		715/243	5
		715/246	1
		715/248	1
		715/251	7
		715/254	1
		715/255	9
		715/256	1
		715/268	1
		715/272	2
		715/273	6
		715/275	1
		715/501.1	274
715/200	7		
715/201	23		
715/202	10		
715/203	6		
715/204	2		
715/205	68		
715/206	25		
715/207	22		
715/208	6		
715/209	11		
715/210	13		
715/222	1		
715/229	5		
715/234	33		
715/235	4		
715/236	14		
715/240	1		
715/246	1		
715/247	2		
715/251	2		
715/254	1		
715/255	4		
715/256	2		
715/259	1		
715/272	2		
715/273	7		

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/502	50	715/201	4
		715/202	5
		715/204	1
		715/205	4
		715/207	3
		715/209	11
		715/210	5
		715/211	1
		715/212	1
		715/219	1
		715/223	1
		715/234	6
		715/236	2
		715/245	1
		715/255	2
		715/273	1
		715/503	129
715/202	4		
715/203	2		
715/204	3		
715/205	9		
715/206	1		
715/207	1		
715/209	17		
715/210	12		
715/212	33		
715/213	4		
715/215	1		
715/217	3		
715/219	10		
715/220	5		
715/227	1		
715/234	8		
715/243	1		
715/255	2		
715/264	1		
715/273	2		
715/504	21	715/762	1
		715/205	1
		715/206	1
		715/209	1
		715/210	2
		715/212	2
		715/214	1

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/504	21	715/217	3
		715/219	1
		715/220	5
		715/227	1
		715/243	1
		715/255	2
715/505	51	715/200	1
		715/202	1
		715/203	1
		715/205	4
		715/207	4
		715/209	5
		715/210	3
		715/213	1
		715/219	1
		715/221	1
		715/222	4
		715/223	3
		715/226	1
		715/227	1
		715/229	3
		715/234	9
715/506	32	715/235	1
		715/236	5
		715/255	2
		715/200	2
		715/201	2
		715/202	1
		715/203	1
		715/205	3
		715/207	1
		715/209	3
		715/210	1
		715/212	1
		715/221	1
715/222	2		
715/223	1		
715/224	3		
715/226	2		
715/234	3		
715/235	2		
715/236	3		

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/507	87	715/200	3
		715/201	11
		715/202	4
		715/203	1
		715/205	2
		715/207	8
		715/209	12
		715/210	5
		715/217	1
		715/222	1
		715/223	2
		715/224	10
		715/225	1
		715/226	3
		715/234	3
		715/235	3
		715/236	9
		715/246	1
		715/251	1
		715/255	3
		715/272	1
		715/273	2
		715/508	23
715/203	3		
715/210	8		
715/221	1		
715/225	2		
715/228	1		
715/235	1		
715/236	2		
715/246	1		
715/255	2		
715/273	1		
715/509	47	715/200	1
		715/201	3
		715/202	1
		715/205	3
		715/207	4
		715/209	7
		715/210	3
		715/212	6
		715/217	1
		715/219	1
		715/220	2

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/509	47	715/223	2
		715/227	1
		715/229	2
		715/234	4
		715/236	3
		715/259	1
		715/273	1
		715/202	1
715/510	6	715/203	1
		715/209	1
		715/220	1
		715/223	1
		715/228	1
		715/201	4
715/511	74	715/202	2
		715/203	3
		715/205	8
		715/206	6
		715/207	2
		715/209	3
		715/210	7
		715/223	1
		715/227	1
		715/229	10
		715/230	1
		715/234	15
		715/235	1
		715/236	1
		715/246	2
		715/251	1
		715/255	3
715/256	2		
715/273	1		
715/512	104	715/201	8
		715/202	7
		715/203	10
		715/205	12
		715/207	1
		715/209	5
		715/210	12
		715/222	1
		715/229	1
		715/230	6
		715/231	2

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/512	104	715/233	6
		715/234	12
		715/235	4
		715/236	6
		715/239	1
		715/246	1
		715/247	1
		715/255	3
		715/260	2
715/513	523	715/201	16
		715/202	15
		715/203	9
		715/204	4
		715/205	64
		715/206	17
		715/207	37
		715/208	2
		715/209	20
		715/210	33
		715/212	5
		715/219	1
		715/221	2
		715/222	1
		715/223	2
		715/224	2
		715/227	6
		715/229	7
		715/230	4
		715/231	1
		715/233	3
		715/234	136
		715/235	22
		715/236	44
		715/237	7
		715/238	1
		715/239	28
		715/240	5
		715/241	4
		715/242	3
		715/243	1
		715/246	3
		715/248	1
		715/249	1
		715/251	1

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/513	523	715/255	5
		715/256	5
		715/262	1
		715/271	1
		715/272	1
		715/273	2
715/514	60	715/201	2
		715/202	1
		715/205	11
		715/206	4
		715/207	3
		715/208	1
		715/209	4
		715/210	10
		715/212	1
		715/222	1
		715/223	1
		715/234	10
		715/236	4
		715/239	1
715/244	1		
715/515	60	715/255	3
		715/273	2
		715/200	1
		715/201	1
		715/202	2
		715/203	1
		715/204	1
		715/205	3
		715/208	1
		715/209	15
		715/210	9
		715/219	1
		715/223	2
		715/229	2
715/234	9		
715/516	27	715/235	3
		715/236	4
		715/239	1
		715/246	1
		715/202	2
		715/203	3
		715/205	4
		715/207	1

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/516	27	715/209	1
		715/210	6
		715/211	1
		715/215	1
		715/234	4
		715/235	1
		715/236	2
		715/273	1
715/517	169	715/200	1
		715/201	6
		715/202	12
		715/203	2
		715/204	3
		715/205	16
		715/206	4
		715/207	3
		715/208	1
		715/209	14
		715/210	26
		715/211	1
		715/212	2
		715/215	1
		715/223	2
		715/227	1
		715/229	2
		715/234	14
		715/235	8
		715/236	3
		715/237	1
		715/238	1
		715/239	2
		715/243	3
		715/244	2
		715/246	7
		715/247	3
		715/249	3
		715/250	1
		715/251	5
715/253	3		
715/255	11		
715/259	1		
715/265	1		
715/273	2		
715/274	1		

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>		
715/518	19	715/201	3		
		715/206	1		
		715/209	2		
		715/210	2		
		715/229	1		
		715/234	1		
		715/235	1		
		715/244	3		
		715/246	2		
		715/256	1		
		715/257	1		
		715/519	31	715/200	1
				715/201	1
				715/203	2
715/209	2				
715/210	8				
715/223	1				
715/234	4				
715/235	4				
715/236	1				
715/244	2				
715/245	1				
715/264	4				
715/520	31			715/201	5
				715/202	3
		715/203	1		
		715/204	1		
		715/205	1		
		715/208	1		
		715/209	8		
		715/210	2		
		715/212	1		
		715/234	1		
		715/235	3		
		715/246	3		
		715/255	1		
		715/521	25	715/201	2
715/202	2				
715/203	1				
715/205	1				
715/209	2				
715/210	5				
715/217	2				
715/233	1				

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/521	25	715/234	3
		715/235	2
		715/246	1
		715/247	1
		715/256	1
		715/273	1
715/522	32	715/201	5
		715/205	3
		715/207	1
		715/208	1
		715/209	9
		715/210	3
		715/222	1
		715/234	2
		715/235	4
		715/248	1
		715/255	2
715/523	90	715/201	8
		715/202	3
		715/203	2
		715/205	8
		715/206	3
		715/207	3
		715/209	9
		715/210	7
		715/213	1
		715/234	22
		715/235	4
		715/236	1
		715/239	11
		715/240	1
		715/249	2
		715/255	3
715/256	1		
715/269	1		
715/524	11	715/203	1
		715/205	1
		715/208	1
		715/209	1
		715/210	1
		715/234	1
		715/235	2
		715/236	1
715/264	2		

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>		
715/525	28	715/202	2		
		715/205	2		
		715/209	4		
		715/210	4		
		715/234	7		
		715/235	1		
		715/248	1		
		715/249	1		
		715/251	3		
		715/253	1		
		715/255	2		
		715/526	139	715/201	12
				715/202	6
				715/203	7
715/205	8				
715/206	2				
715/207	10				
715/209	13				
715/210	19				
715/212	1				
715/219	1				
715/223	2				
715/224	1				
715/234	18				
715/235	5				
715/236	8				
715/246	2				
715/247	1				
715/255	2				
715/256	1				
715/259	1				
715/268	1				
715/273	14				
715/274	1				
715/275	1				
715/277	2				
715/527	27	715/201	3		
		715/205	1		
		715/206	1		
		715/209	10		
		715/210	1		
		715/212	1		
		715/234	3		
715/235	2				

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>		
715/527	27	715/246	1		
		715/247	1		
		715/255	1		
		715/274	2		
715/528	11	715/201	1		
		715/202	2		
		715/205	1		
		715/209	2		
		715/223	1		
		715/234	2		
		715/236	1		
		715/255	1		
715/529	31	715/201	5		
		715/205	2		
		715/209	1		
		715/210	11		
		715/223	2		
		715/233	1		
		715/234	3		
		715/235	2		
		715/236	1		
		715/246	1		
		715/259	1		
		715/272	1		
		715/530	247	715/200	3
				715/201	18
715/202	10				
715/203	5				
715/204	1				
715/205	21				
715/206	5				
715/207	10				
715/208	2				
715/209	24				
715/210	22				
715/212	1				
715/219	1				
715/221	1				
715/222	3				
715/224	1				
715/225	1				
715/229	4				
715/230	3				
715/234	43				

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>		
715/530	247	715/235	4		
		715/236	17		
		715/243	2		
		715/245	1		
		715/246	1		
		715/247	1		
		715/248	1		
		715/251	1		
		715/253	1		
		715/254	2		
		715/255	17		
		715/256	7		
		715/259	5		
		715/267	1		
		715/272	2		
		715/273	2		
		715/274	1		
		715/275	1		
		715/531	203	715/201	21
				715/202	7
715/203	3				
715/205	15				
715/206	5				
715/207	4				
715/208	2				
715/209	11				
715/210	44				
715/212	1				
715/219	1				
715/220	1				
715/222	2				
715/223	2				
715/227	1				
715/234	22				
715/235	6				
715/236	11				
715/237	1				
715/243	1				
715/246	4				
715/247	2				
715/253	1				
715/255	5				
715/256	3				
715/257	1				

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>		
715/531	203	715/258	4		
		715/259	5		
		715/260	1		
		715/263	1		
		715/264	2		
		715/267	4		
		715/268	2		
		715/269	1		
		715/271	1		
		715/272	3		
		715/273	2		
		715/532	58	715/201	2
				715/202	2
				715/205	1
715/206	3				
715/209	5				
715/210	3				
715/222	1				
715/223	1				
715/234	5				
715/235	1				
715/236	11				
715/239	1				
715/243	1				
715/246	10				
715/533	85	715/248	1		
		715/255	2		
		715/257	2		
		715/259	3		
		715/260	2		
		715/271	1		
		715/201	3		
		715/202	2		
		715/203	1		
		715/205	1		
		715/206	2		
		715/209	1		
		715/210	6		
		715/217	1		
715/234	7				
715/236	11				
715/246	4				
715/256	2				
715/257	38				

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/533	85	715/258	1
		715/259	2
		715/263	1
		715/264	1
		715/267	1
715/534	28	715/201	3
		715/202	4
		715/203	1
		715/209	1
		715/210	1
		715/212	1
		715/223	1
		715/234	5
		715/236	1
		715/245	1
		715/246	1
		715/256	1
		715/257	5
		715/259	1
715/535	62	715/261	1
		715/201	2
		715/202	2
		715/203	2
		715/205	4
		715/210	7
		715/234	7
		715/236	4
		715/256	2
		715/257	1
		715/259	2
		715/262	6
		715/263	10
		715/264	12
715/536	48	715/273	1
		715/201	4
		715/202	2
		715/203	1
		715/205	5
		715/207	1
		715/209	1
		715/210	3
		715/223	1
		715/233	1
715/234	6		

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>		
715/536	48	715/236	6		
		715/257	1		
		715/259	2		
		715/262	1		
		715/264	11		
		715/265	1		
		715/273	1		
		715/202	1		
715/537	8	715/205	6		
		715/207	1		
		715/202	1		
715/538	19	715/203	1		
		715/204	1		
		715/205	3		
		715/209	1		
		715/210	6		
		715/219	1		
		715/229	1		
		715/234	1		
		715/236	1		
		715/267	2		
		715/539	23	715/200	1
				715/201	1
				715/202	2
				715/206	1
715/207	1				
715/209	2				
715/210	7				
715/212	1				
715/234	4				
715/236	1				
715/246	1				
715/272	1				
715/540	30			715/201	3
		715/205	1		
		715/209	1		
		715/210	6		
		715/222	1		
		715/229	2		
		715/234	5		
		715/235	1		
		715/236	4		
		715/255	2		
		715/256	2		

NOVEMBER 6, 2007

PROJECT E-6713

DISPOSITION CLASSIFICATION(S) OF PATENTS  
FROM ABOLISHED SUBCLASSES REPORT

Generated by: Data Control Division

<u>Source Classification</u>	<u>Number of ORs</u>	<u>New Classification</u>	<u>Number of ORs</u>
715/540	30	715/271	2
715/541	34	715/203	4
		715/205	1
		715/209	2
		715/210	2
		715/217	1
		715/222	1
		715/224	3
		715/230	2
		715/234	3
		715/246	1
		715/263	1
		715/268	3
		715/273	10
715/542	62	715/200	1
		715/201	1
		715/202	1
		715/203	1
		715/204	1
		715/205	6
		715/207	4
		715/210	16
		715/223	1
		715/229	1
		715/234	10
		715/235	1
		715/236	2
		715/238	1
		715/247	1
		715/262	3
		715/263	2
		715/264	2
		715/269	6
		715/272	1

NOVEMBER 6, 2007

PROJECT E-6713

C. CHANGES TO THE USPC-IPC CONCORDANCE

<u>Class</u>	<u>USPC</u> <u>Subclass</u>	<u>Subclass</u>	<u>IPC</u> <u>Notation</u>
715	200-277	G06F	17/00 17/20 17/21 17/22 17/24 17/25 17/26 17/27 17/28

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

CLASS 355 – PHOTOCOPYING

Class Definition: Under Section III – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for document processing performed by a computer for presentation, and subclasses 700-866 for operator interface processing.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

CLASS 358 – FACSIMILE AND STATIC PRESENTATION PROCESSING

Class Definition: Under Section II – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for document processing performed by a computer for presentation, and subclasses 700-866 for operator interface processing.

Subclass 400: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for document processing performed by a computer for presentation, and subclasses 700-866 for operator interface processing.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

CLASS 361 – ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

Subclass 681: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 700-866 for operator interface processing.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

CLASS 382 – IMAGE ANALYSIS

Class Definition: Under Section III – REFERENCES TO OTHER CLASSES, SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200-277 for document processing performed by a computer for presentation.

Subclass 231: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclass 257 for checking the spelling of a text.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONSCLASS 704 – DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,  
LANGUAGE TRANSLATION, AND AUDIO  
COMPRESSION/DECOMPRESSIONClass Definition: Under Section IV – REFERENCES TO OTHER CLASSES, SEE OR SEARCH  
CLASS:Delete:

The reference to Class 715

Insert:715, Data Processing: Presentation Processing of Document, Operator  
Interface Processing, and Screen Saver Display Processing, subclasses  
243-272 for document processing including layout, editing, and spell-  
checking.

Subclass 8: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:715, Data Processing: Presentation Processing of Document, Operator  
Interface Processing, and Screen Saver Display Processing, subclasses  
264-265 for composing or editing multiple languages in a document  
and subclass 866 for customization or edition of operator interfaces.

Subclass 10: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:715, Data Processing: Presentation Processing of Document, Operator  
Interface Processing, and Screen Saver Display Processing, subclasses  
259-260 for mere use of a dictionary in editing or composition of a  
document.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

Subclass 270.1: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 234-242 for HTML, SGML documents.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

## CLASS 707 – DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES

Class definition: Under SECTION III, REFERENCES TO OTHER CLASSES:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for document processing performed by a computer for presentation, and subclasses 700-866 for operator interface processing.

Subclass 1: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for document presentation processing, per se, particularly subclasses 205-208 for processing a document including hypermedia, subclasses 234-242 for processing a structured document, e.g., HTML, SGML, ODA, CDA, etc., and subclasses 209-220 for compound documents; and also subclasses 700-866 for operator interfaces, per se, in particular subclass 866 for interface customization, subclasses 764-862 for on-screen work or objects, and subclasses 810-845 for menus.

Subclass 2: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONSInsert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for document presentation processing, per se, particularly subclasses 205-208 for processing a document including hypermedia; subclasses 234-242 for processing a structured document, e.g., HTML, SGML, ODA, CDA, etc., and subclasses 209-210 for compound documents; and subclasses 259-260 for text data document processing with a dictionary.

Subclass 3: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 255 through 272 for text editing, composition or storage control, subclasses 700-866 for operator interfaces, per se, in particular subclasses 764-862 for on-screen workspaces and objects, subclasses 781-807 for windowing, and subclass 808 for pop-up controls.

Subclass 4: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 212 through 228 for spreadsheets, forms, and tables under document processing.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

Subclass 5: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 255 through 272 for text editing, composition, or storage control.

Subclass 8: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclass 229 for document version management under document processing; subclasses 716-726 for operator interface aspects of workgroup data processing environments for plural users or sites; and cross-reference art collection 971 directed to interface aspects of cooperative decision support systems for groups of users.

Subclass 101: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclass 229 for document version management under document processing; subclasses 716-726 for operator interface aspects of workgroup data processing environments for plural users or sites; and cross-reference art collection 971 directed to interface aspects of cooperative decision support systems for groups of users.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

Subclass 102: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 205-208 for processing a document including hypermedia; subclasses 209-210 for processing a compound document using hierarchy control; subclasses 234-242 for processing a structured document, e.g., HTML, SGML, ODA, CDA, etc.; subclasses 243-253 for document layout processing including spacing control, format transforming, etc.; subclasses 259-260 for text data document processing with a dictionary; and subclasses 700-866 for operator interfaces.

Subclass 103: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for document presentation processing, per se, particularly subclasses 205-208 for processing a document including hypermedia, and subclasses 209-210 for compound documents, and subclasses 234-242 for processing a structured document, e.g., HTML, SGML, ODA, CDA, etc.; and also subclasses 764-862 for on-screen workspaces or objects, particularly subclasses 810-845 for menus.

Subclass 200: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for file content authoring, generating, producing, and editing in document processing, word processing, and text processing.

Subclass 201: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclass 229 for document version management under document processing; subclasses 733-759 for operator interface aspects of workgroup data processing environments for plural users or sites; and cross-reference art collection 971 directed to interface aspects of cooperative decision support systems for groups of users.

Subclass 203: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclass 229 for document version management under document processing.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

CLASS 709 – ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
MULTICOMPUTER DATA TRANSFERRING

Class definition: Under SECTION II, REFERENCES TO OTHER CLASSES:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200-277 for document processing.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

CLASS 711 – ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
MEMORY

Subclass 141: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 255 through 272 for developing or changing a document wherein one or more elements of document are added, deleted, or modified, or including means or steps for storing the resultant altered document or the alterations.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

CLASS 713 – ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
SUPPORT

Class definition: Under SECTION II, REFERENCES TO OTHER CLASSES:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for document presentation processing, and subclasses 700-866 for computer operator interface.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

CLASS 714 – ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY

Subclass 19: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, appropriate subclasses for a word data processing application on computer, particularly subclasses 255 through 272 for editing in a text data processing application.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

CLASS 715 – DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY  
PROCESSING

Definitions abolished:

500, 500.1, 501.1, 502-542, 900-911

Definitions modified:

Under the Class Definition:

Delete:

All glossary terms under **SECTION III - GLOSSARY**

Insert:

The following new glossary terms under **SECTION III - GLOSSARY**:

ALPHANUMERIC

Any symbol found in the ASCII character set.

CELL

The intersection of a row and a column of DATA\*.

COMPUTER

A machine that inputs DATA\*, processes data, stores data, and outputs data.

DATA

Representation of information in a coded manner suitable for communication, interpretation, or processing.

DATA PROCESSING

See PROCESSING\*, below.

DIGITAL DATA PROCESSING SYSTEMS

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

An arrangement of processor(s) in combination with either memory or peripherals, or both, performing data PROCESSING\*.

## DISPLAY ATTRIBUTE

A value or code that determines how its representative element is presented.

## DISPLAY CONTROLLER

An electrical circuit which actuates a DISPLAY DEVICE\* in accordance with received IMAGE DATA\*.

## DISPLAY DEVICE

A communication device which converts IMAGE DATA\* into a VISUAL IMAGE\*.

## DOCUMENT

An electronic FILE\*.

## FILE

A block of stored INFORMATION\*.

## HYPERLINK

An embedded link including code directing process flow to an alternate or additional DOCUMENT\* or location in a document.

## IMAGE

See VISUAL IMAGE below.

## IMAGE DATA

DATA\* representing a VISUAL IMAGE\*.

## INFORMATION

Meaning that a human being assigns to DATA\* by means of the conventions applied to that data.

## MARKUP LANGUAGE

Any language that provides ways to indicate attributes in TEXT\*.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

## MEDIA/MEDIA TYPES

A way of presenting information, including TEXT, audio, video or image.

## PRESENTATION

The visually perceptible display of IMAGE DATA\*.

This term is synonymous with VISUAL IMAGE (see below).

## PRESENTATION PROCESSING

The manipulation of IMAGE DATA\* for display.

## PROCESSING

Method or apparatus performing systematic operations upon DATA\* or INFORMATION\* exemplified by functions such as data or information transferring, merging, sorting, and calculating, i.e., arithmetic operations or logical operations.

## PROCESSOR

A functional unit that interprets and executes instruction DATA\*.

## STYLESHEET

A file of DISPLAY ATTRIBUTES\* to be applied to a document.

## TEXT

DATA\* including ALPHANUMERIC\* characters representing words and symbols. Usually text characters are coded using a standard such as ASCII, which assigns numeric values to each character, number, or symbol.

## VISUAL IMAGE

The image shown by a DISPLAY DEVICE\*.

Subclass 738: Under SEE OR SEARCH THIS CLASS, SUBCLASS:

Delete:

The reference to subclass 501.1

Insert:

205, through 208, for hypermedia document processing.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

Subclass 760: Under SEE OR SEARCH THIS CLASS, SUBCLASS:

Delete:

The reference to subclass 513

Insert:

234, through 242, for detail of structured documents such as HTML.

Subclass 780: Under SEE OR SEARCH THIS CLASS, SUBCLASS:

Delete:

The reference to subclasses 507 through 508

Insert:

224, through 226, for details of textual form filling.

Definitions established:**200 PRESENTATION PROCESSING OF DOCUMENT:**

Subject matter under the Class Definition wherein elements of text-only or diverse media type data\* are gathered, associated, created, formatted, edited, prepared, or otherwise processed to be presented or wherein the relationship between the elements in a document or portion thereof is defined.

- (1) Note. Processes of this subclass type are independent of the content of the document or dependent on it only in a generic sense.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

- 201 Integration of diverse media:**  
Subject matter under subclass 200 wherein distinct multiple media types\* are unified into a single document\* presentation\*.
- 202 Authoring diverse media presentation:**  
Subject matter under subclass 201 wherein a diverse media\* presentation is created.
- 203 Synchronization of presentation:**  
Subject matter under subclass 201 wherein a particular timing relationship between the presentation of diverse media is achieved.
- 204 Presentation attribute (e.g., layout, etc.):**  
Subject matter under subclass 201 wherein a particular characteristic of document presentation is specified, e.g., a color or text attribute, etc.

SEE OR SEARCH THIS CLASS, SUBCLASS:

207, for hyperlink display attributes.

- 205 Hypermedia:**  
Subject matter under subclass 200 wherein textual information in a document\* includes an embedded link that directs process flow to an alternate or additional document or location within a document, i.e., a hyperlink\*.
- 206 Hyperlink organization (e.g., grouping, bookmarking, etc.):**  
Subject matter under subclass 205 wherein multiple hyperlinks\* are arranged in a particular manner.
- 207 Hyperlink display attribute (e.g., color, shape, etc.):**  
Subject matter under subclass 205 wherein a particular visual characteristic of a hyperlink\* is specified.

SEE OR SEARCH THIS CLASS, SUBCLASS:

204, for presentation attributes of diverse media.

275, for color attribute display processing, in general.

- 208 Hyperlink editing (e.g., link authoring, rerouting, etc.):**  
Subject matter under subclass 205 wherein some path designated by a hyperlink\* is modified.

SEE OR SEARCH THIS CLASS, SUBCLASS:

255, for editing, composition, or storage control, in general.

SEE OR SEARCH CLASS:

707, Data Processing: Database and File Management or Data Structures, subclass 100 for the method of traversal of general links.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

- 209 Compound document:**  
Subject matter under subclass 200 wherein the document\* includes elements having distinct functionalities combined and used together while remaining distinct, e.g., a spreadsheet embedded in a word processing document, etc.
- 210 Matching application process to displayed media:**  
Subject matter under subclass 209 wherein processes specific to elements of different types of media\* within a common document\* are accessed and executed.
- 211 Drawing:**  
Subject matter under subclass 200 including simple shapes in a document\* combined with other media types\*, e.g., an arrow in a word processing document, etc.
- (1) Note. Graphical representations of spreadsheet information are classified elsewhere.
- SEE OR SEARCH CLASS:
- 345, Computer Graphics Processing and Selective Visual Display Systems, subclasses 440 and 441 for graphic drawings, etc.
- 212 Spreadsheet:**  
Subject matter under subclass 200 wherein the elements include data values organized in cells\* where the relationship between the cells\* is defined by formulas.
- 213 Alternative scenario management:**  
Subject matter under subclass 212 wherein multiple instances of spreadsheet input values with their resulting calculated output values in a given spreadsheet are produced and manipulated.
- (1) Note. Often, scenario management is used to optimize in some fashion the result in a particular spreadsheet cell.
- 214 Having dimension greater than two:**  
Subject matter under subclass 212 wherein cells\* are organized in structures of three or more dimensions.
- 215 Including graph or chart of spreadsheet information:**  
Subject matter under subclass 212 wherein spreadsheet data is represented in equivalent pictorial form.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
- 211, for drawing presentation processing.
- SEE OR SEARCH CLASS:
- 345, Computer Graphics Processing and Selective Visual Display Systems, subclasses 440-443 for graph generating via computer graphics.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

- 216 Cell protection:**  
Subject matter under subclass 212 wherein modification of the content of a spreadsheet cell\* is inhibited.
- 217 Cell format:**  
Subject matter under subclass 212 wherein the display attributes\* within a spreadsheet entry are edited.
- 218 Cell hiding:**  
Subject matter under subclass 217 wherein the display of the contents of a spreadsheet cell\* is inhibited.
- 219 Particular calculation of cell content:**  
Subject matter under subclass 212 wherein a specific mathematical technique is used to generate cell contents.

SEE OR SEARCH THIS CLASS, SUBCLASS:

267, for equation or formula processing, in general.

- 220 Particular cell content modification:**  
Subject matter under subclass 212 wherein a particular method of filling or changing the content of a cell\* is specified, e.g., the translation of the contents of a cell from one location to another, etc.
- 221 Form:**  
Subject matter under subclass 200 wherein the elements of data define specific locations reserved for entering data.
- (1) Note. This subclass does not cover the processing of entered data.
- 222 Form creation:**  
Subject matter under subclass 221 wherein a form document\* is generated.
- 223 By editing existing form:**  
Subject matter under subclass 222 wherein a new form is created by modifying a previously stored base form.
- 224 Form filling:**  
Subject matter under subclass 221 wherein detail of information is placed in a specified location.
- 225 Fitting data into field on form:**  
Subject matter under subclass 224 wherein the entered detail of information or the entered data is modified to meet the geometric limitation of an existing location.
- (1) Note. This subclass includes both changing the size of the field and formatting the data to fit within the field.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

- 226 Automatic:**  
Subject matter under subclass 224 wherein data is filled into a form without direct user intervention.
- 227 Table:**  
Subject matter under subclass 200 wherein a block of text is organized in rows and/or columns.
- 228 Ruled lines:**  
Subject matter under subclass 227 wherein straight lines indicate rows or columns of text.

## SEE OR SEARCH CLASS:

345, Computer Graphics Processing and Selective Visual Display Systems, subclass 443 for the generation of lines.

- 229 Version management:**  
Subject matter under subclass 200 wherein multiple embodiments of a document\* (including those which are current or earlier) are retained and organized through the use of various display attributes\* for the multiple embodiments.

(1) Note. Processing of multiple versions of one or more documents\* through a plurality of display views or simultaneous presentation is classified herein.

## SEE OR SEARCH CLASS:

707, Data Processing: Database and File Management or Data Structures, subclass 203 for file or database version management.

- 230 Annotation control:**  
Subject matter under subclass 200 wherein the elements of data\* include an optional or selectable limited display of textual data related to data unconditionally displayed, e.g., memo field display related to text, etc.
- 231 Automatically generated:**  
Subject matter under subclass 230 wherein the annotation is generated without direct user intervention.
- 232 Positioning of annotation:**  
Subject matter under subclass 230 wherein the manner of spatially locating some type of annotation is specified.
- 233 Annotation by other than text (e.g., image, etc.):**  
Subject matter under subclass 230 wherein annotation is represented by other than textual data, e.g., a paper clip marks the location and presence of an annotation, etc.

## SEE OR SEARCH THIS CLASS, SUBCLASS:

201, for integration of diverse media.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

**234 Structured document (e.g., HTML, SGML, ODA, CDA, etc.):**  
Subject matter under subclass 200 wherein the document\* is created and processed according to a standardized arrangement of interrelated hierarchical processing flow and page layout, e.g., hypertext markup language\* (HTML), standard generalized markup language (SGML), office document architecture (ODA), or content document architecture (CDA), etc.

(1) Note. The processing of a document according to a standard which directs a receiving application as to the layout of its content is classified herein.

**235 Stylesheet layout creation/editing (e.g., template used to produce stylesheet, etc.):**  
Subject matter under subclass 234 wherein a detail of a stylesheet\* generation or modification is specified.

**236 Stylesheet based markup language transformation/translation (e.g., to a published format using stylesheet, etc.):**  
Subject matter under subclass 234 wherein some modification to original markup language\* is performed utilizing stylesheet\* information.

SEE OR SEARCH THIS CLASS, SUBCLASS:

239, for conversion between markup languages.

**237 Markup language syntax validation:**  
Subject matter under subclass 234 wherein the proper form of markup language\* is confirmed.

**238 Accommodating varying screen size:**  
Subject matter under subclass 234 wherein structured document processing adapts to presentation\* on multiple displays with different linear dimensions.

(1) Note. Subject matter of this subclass type includes changing the actual structure of the document as opposed to changing merely the size of the rendering of the document.

**239 Conversion from one markup language to another (e.g., XML to HTML or utilizing an intermediate format, etc.):**  
Subject matter under subclass 234 wherein a first variety of structured document is transformed into a second variety of structured document, e.g., XSL transformation, etc.

SEE OR SEARCH THIS CLASS, SUBCLASS:

236, for stylesheet based markup language transformation or translation.

**240 Frames:**  
Subject matter under subclass 234 wherein structured document processing includes separately scrollable areas.

**241 Placemark-based indexing:**  
Subject matter under subclass 234 wherein location of desired relevant portions of a structured document utilizes a previously established location in the document.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

- 242 Structured document compression:**  
Subject matter under subclass 234 wherein structured document presentation processing includes overall file size reduction of the structured document.
- 243 Layout:**  
Subject matter under subclass 200 wherein the geometric position of an element within the document\* is altered or specified.
- 244 Spacing control:**  
Subject matter under subclass 243 wherein a distance between elements within a document is altered or specified.
- 245 Horizontal spacing:**  
Subject matter under subclass 244 wherein the distance between elements in the left and right orientation, e.g., kerning, etc., within a document is altered or specified.
- 246 Area designation:**  
Subject matter under subclass 243 wherein a geometric subset of a presentation surface is specified, e.g., a frame, etc.
- 247 Boundary processing:**  
Subject matter under subclass 243 wherein a perimeter of a geometric subset of a presentation surface within a document or document subset, e.g., flow of text, figure, column or page balancing, etc., is specified, modified, or controlled.
- (1) Note. The layout of elements around other elements whose location has been pre-specified, e.g., a method in which a set of figures flow around a geometrically locked figure, etc., methods for flowing text around figures, or methods for handling text across boundaries, such as line breaks or column breaks, are classified herein.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
251, for pagination control.
- 248 Format information in separate file:**  
Subject matter under subclass 243 wherein a layout specification is stored separately from the data to which such specification is applied.
- 249 Format transformation:**  
Subject matter under subclass 243 wherein a layout specification is modified automatically or a translation is performed between specifications.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

- 250 Detecting format code change:**  
Subject matter under subclass 243 wherein a modification in a layout specification is recognized.
- 251 Pagination:**  
Subject matter under subclass 243 wherein the document is divided into units, i.e., pages, which are sized according to a display or print medium.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
247, for boundary processing.
- 252 Resizing document:**  
Subject matter under subclass 243 wherein some overall modification to the linear dimensions of a document is performed.
- SEE OR SEARCH CLASS:  
345, Computer Graphics Processing and Selective Visual Display Systems, subclasses 660-663 for scaling utilized in computer graphics processing.
- 253 Automatic placement of document portion:**  
Subject matter under subclass 243 wherein an individual component of a complete document is positioned therein without direct user intervention.
- 254 Text summarization or condensation:**  
Subject matter under subclass 200 wherein an original body of text is transformed into another more compact equivalent.
- 255 Edit, composition, or storage control:**  
Subject matter under subclass 200 including means or steps for developing or changing a document\* wherein one or more elements of it, e.g., text data, graphics data, control, or format codes, etc., are added, deleted, or modified, or including means or steps for storing such an altered document or the alteration
- 256 Text:**  
Subject matter under subclass 255 wherein the editing, composition, or storage is peculiar to textual information, e.g., hyphenation or punctuation, etc.
- 257 Spell check:**  
Subject matter under subclass 256 including a means for checking the spelling of a word.
- SEE OR SEARCH CLASS:  
382, Image Analysis, subclass 231 for checking spelling for pattern recognition.
- 258 Determining word hyphenation location:**  
Subject matter under subclass 256 wherein a lookup table supplies the proper place where a given word may be broken into syllables.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

- 259 Dictionary:**  
Subject matter under subclass 256 including a file for maintaining a collection of words related to a language.
- SEE OR SEARCH CLASS:
- 704, Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression, subclass 10 for dictionary building, modification, or prioritization.
- 260 Providing synonym for input word:**  
Subject matter under subclass 259 wherein the dictionary supplies a word having meaning close to a designated word.
- 261 Input of abbreviated word form:**  
Subject matter under subclass 256 wherein a relatively short group of pre-selected characters or a symbol is entered and subsequently automatically replaced by a corresponding longer whole word, i.e., long form.
- 262 Ideographic generator:**  
Subject matter under subclass 256 wherein the construction of word, phrase, or sentence is in a pictographic form.
- SEE OR SEARCH CLASS:
- 345, Computer Graphics Processing and Selective Visual Display Systems, subclasses 467-473 for computer graphics processing character, particularly subclass 472.3 for generation, per se.
- 263 Utilizing geometric (e.g., stroke, etc.) data:**  
Subject matter under subclass 262 wherein the ideographic character is created from selected components of such characters.
- 264 Multilingual:**  
Subject matter under subclass 256 wherein the processing involves text of more than one spoken language.
- SEE OR SEARCH CLASS:
- 703, Data Processing: Structural Design, Modeling, Simulation, and Emulation, appropriate subclasses for an operator interface which is culturally based, e.g., based on a particular language, etc.
- 704, Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression, subclass 8 for national language support.
- 265 Having desired language selection:**  
Subject matter under subclass 264 wherein a choice of languages is provided to a user for utilization in text processing.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

**266 Footnoting:**  
Subject matter under subclass 256 including primary and related data, i.e., an explanation or comment, where related data is presented at a position separate from but marked as related to primary data.

**267 Equation or formula processing:**  
Subject matter under subclass 256 wherein an element or other formal code sequence includes an alphanumeric ideogram, e.g., a mathematical or formulaic expression, etc.

SEE OR SEARCH THIS CLASS, SUBCLASS:

219, for particular calculation of spreadsheet cell content.

**268 Handwritten textual input:**  
Subject matter under subclass 256 wherein the text includes symbolic data entered by manual transcription of such symbols.

SEE OR SEARCH CLASS:

345, Computer Graphics Processing and Selective Visual Display Systems, subclass 179 for stylus-type display peripheral interface input devices.

382, Image Analysis, subclasses 119-123 for an image analysis application using a signature; and subclasses 186-189 for pattern recognition of handwritten characters.

**269 Font selection:**  
Subject matter under subclass 256 wherein a feature of a character set for a specified collection of information is determined.

(1) Note. The subject matter of this subclass includes the automatic or user-specified selection of a predefined font.

SEE OR SEARCH CLASS:

345, Computer Graphics Processing and Selective Visual Display Systems, subclass 467 for the generation of fonts.

**270 Outlining:**  
Subject matter under subclass 256 wherein the text may vary in scope of context and may contain or be contained by information of different scope.

**271 Replacement of element:**  
Subject matter under subclass 256 wherein a selected text element is replaced with another text element in the document.

**272 Block control:**  
Subject matter under subclass 255 wherein a subset of elements in a document delineated by a technique of marking such elements is edited.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

- 273 Display processing:**  
Subject matter under subclass 200 wherein the document\* is prepared for visual output.
- (1) Note. Subject matter of this subclass includes processing of a document to enhance the visibility of particular elements through the addition of various display attributes\*.
- 274 Print preview:**  
Subject matter under subclass 273 wherein an image of data as interpreted by an output device is displayed for operator approval prior to output on a hard copy.
- SEE OR SEARCH CLASS:
- 358, Facsimile and Static Presentation Processing, subclasses 1.1-1.18 for the specific static presentation processing to create the image, e.g., for printing, etc.
- 275 Color attribute:**  
Subject matter under subclass 273 wherein data specifying a color code is defined or modified.
- 276 Utilizing page description language:**  
Subject matter under subclass 273 wherein a particular type of programming language, i.e., PDL, provides a detailed specification to an output device for document display.
- 277 Plural documents or plural portions of single document:**  
Subject matter under subclass 273 wherein multiple distinct documents or multiple portions of the same document are processed for display.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

## CLASS 717 – DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT

Subclass 100: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for document and text processing; subclasses 700-866 for generalized operator interface; and cross-reference art collection 967 for visual or iconic programming used in process control and configuration.

Subclass 103: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 200 through 277 for document and text processing, per se.

Subclass 110: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclasses 255 through 272 for editing of documents including editing text.

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

Subclass 120: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclass 229 for document version management under document processing.

Subclass 122: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclass 229 for document version management under document processing.

Subclass 123: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclass 229 for document version management under document processing.

Subclass 146: Under SEE OR SEARCH CLASS:

Delete:

The reference to Class 715

NOVEMBER 6, 2007

PROJECT E-6713

D. CHANGES TO THE DEFINITIONS

Insert:

715, Data Processing: Presentation Processing of Document, Operator Interface Processing, and Screen Saver Display Processing, subclass 249 for format transformation of document types.