U. S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

CLASSIFICATION ORDER 1839

AUGUST 2, 2005

Project No. E-6318

The following classification changes will be effected by this order:

	Class	Subclass	Art Unit	Ex'r Search Room No.
Abolished:	713	200-202	2131	RND-0A41
Established:	726 (NEW)	1-36	2131	RND-0A41

The following classes are also impacted by this order.

Classes: 326, 340, 358, 365, 380, 455, 700, 704, 705, 706, 707, 708, 709, 710, 711, 712, 714, 715, 717, 719, and 902

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 U.S. - I.P.C. CONCORDANCE;

D.   DEFINITION CHANGES AND NEW OR ADDITIONAL DEFINITIONS.

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A.   CLASSIFICATION MANUAL CHANGES

Additional and modified subclasses

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FOREIGN ART COLLECTIONS

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Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

Title Change
* Newly Established Subclass

@ Indent Change
& Position Change

* 1   POLICY
* 2   ACCESS CONTROL OR AUTHENTICATION
* 3   .Network
* 4   ..Authorization
* 5   ..Credential
* 6   ...Management
* 7   ...Usage
* 8   ...Global (e.g., Single Sign On (SSO),
               etc.)
* 9   ...Tokens (e.g., smartcards or dongles,
               etc.)
* 10   ...Tickets (e.g., Kerberos or
               certificates, etc.)
* 11   ..Firewall
* 12   ...Proxy server or gateway
* 13   ...Packet filtering
* 14   ...Security protocols
* 15   ....Virtual Private Network or Virtual
               Terminal Protocol (i.e., VPN or
               VTP)
* 16   .Stand-alone
* 17   ..Authorization
* 18   ...Credential management
* 19   ...Credential usage
* 20   ...Tokens (e.g., smartcards or dongles,
               etc.)
* 21   .Authorization
* 22   MONITORING OR SCANNING OF SOFTWARE OR
               DATA INCLUDING ATTACK PREVENTION
* 23   .Intrusion detection
* 24   ..Virus detection
* 25   .Vulnerability assessment
* 26   PREVENTION OF UNAUTHORIZED USE OF DATA
               INCLUDING PREVENTION OF PIRACY,
               PRIVACY VIOLATIONS, OR UNAUTHORIZED
               DATA MODIFICATION
* 27   .Access control
* 28   ..By authorizing user
* 29   ..By authorizing client
* 30   ..By authorizing data
* 31   .Limitations on number or amount of
               copies
* 32   .Copy detection
* 33   .Copy inactivation
* 34   PROTECTION OF HARDWARE
* 35   .Theft prevention
* 36   .Via power supply

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

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs	Comments
380/211	1	713/201	669	
380/255	1	713/201	669	
380/277	1	713/201	669	
380/28	1	713/200	676	
380/37	1	713/200	676	
436/1	1	713/200	676	
463/1	1	713/200	676	
705/1	2	713/200	676	
707/200	1	713/200	676	
707/3	1	713/201	669	
709/211	1	713/200	676	
709/221	1	713/200	676	
709/227	1	713/201	669	
711/163	1	713/200	676	
712/1	1	713/200	676	
712/237	1	713/200	676	
713/150	1	713/200	676	
	1	713/201	669	
713/151	1	713/201	669	
713/152	1	713/201	669	
713/153	1	713/201	669	
713/155	1	713/201	669	
713/156	2	713/201	669	
713/158	1	713/200	676	
713/163	1	713/201	669	
713/166	1	713/201	669	
713/168	1	713/202	251	
713/169	1	713/200	676	
713/176	1	713/201	669	
713/186	2	713/200	676	
713/189	1	713/200	676	
714/700	1	713/202	251	
714/746	1	713/200	676	
716/13	1	713/201	669	
717/127	1	713/201	669	
726/1	8	713/200	676	
	9	713/201	669	
	18	713/200	676	
	21	713/201	669	
726/10	1	713/202	251	
	2	713/200	676	
	4	713/202	251	
	7	713/200	676	
	8	713/201	669	

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs	Comments
726/10	12	713/201	669	
726/11	1	713/202	251	
	2	713/200	676	
	2	713/202	251	
	5	713/200	676	
	19	713/201	669	
	20	713/201	669	
726/12	2	713/200	676	
	10	713/201	669	
	14	713/201	669	
726/13	1	713/201	669	
	1	713/202	251	
	2	713/200	676	
	4	713/200	676	
	21	713/201	669	
726/14	1	713/200	676	
	3	713/202	251	
	4	713/200	676	
	7	713/201	669	
	22	713/201	669	
726/15	1	713/202	251	
	2	713/200	676	
	2	713/200	676	
	13	713/201	669	
	14	713/201	669	
726/16	2	713/202	251	
	3	713/201	669	
	4	713/201	669	
	6	713/202	251	
	9	713/200	676	
	9	713/200	676	
726/17	1	713/201	669	
	4	713/201	669	
	7	713/202	251	
	7	713/202	251	
	9	713/200	676	
	14	713/200	676	
726/18	1	713/201	669	
	3	713/200	676	
	6	713/202	251	
	7	713/200	676	
	28	713/202	251	
726/19	2	713/200	676	
	2	713/201	669	

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs	Comments
726/19	3	713/201	669	
	7	713/200	676	
	8	713/202	251	
	37	713/202	251	
726/2	2	713/202	251	
	8	713/202	251	
	10	713/201	669	
	12	713/200	676	
	22	713/200	676	
	25	713/201	669	
726/20	3	713/201	669	
	3	713/202	251	
	4	713/201	669	
	7	713/200	676	
	8	713/202	251	
	21	713/200	676	
726/21	4	713/200	676	
	4	713/201	669	
	7	713/202	251	
	8	713/201	669	
	24	713/200	676	
726/22	6	713/202	251	
	12	713/200	676	
	15	713/201	669	
	19	713/201	669	
	31	713/200	676	
726/23	2	713/202	251	
	5	713/200	676	
	9	713/201	669	
	25	713/200	676	
	26	713/201	669	
726/24	5	713/201	669	
	9	713/201	669	
	19	713/200	676	
	23	713/200	676	
726/25	1	713/200	676	
	2	713/200	676	
	10	713/201	669	
	13	713/201	669	
726/26	1	713/202	251	
	2	713/202	251	
	5	713/201	669	
	8	713/201	669	
	16	713/200	676	

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New Classification	Number Of ORs	Source Classification	Number Of ORs	Comments
726/26	30	713/200	676	
726/27	1	713/202	251	
	4	713/201	669	
	5	713/201	669	
	10	713/200	676	
	10	713/200	676	
726/28	2	713/202	251	
	4	713/201	669	
	4	713/201	669	
	5	713/202	251	
	7	713/200	676	
	13	713/200	676	
726/29	2	713/200	676	
	2	713/201	669	
	8	713/201	669	
	18	713/200	676	
726/3	1	713/202	251	
	3	713/202	251	
	10	713/200	676	
	12	713/200	676	
	14	713/201	669	
	33	713/201	669	
726/30	2	713/200	676	
	2	713/201	669	
	4	713/201	669	
	4	713/202	251	
	8	713/200	676	
726/31	1	713/201	669	
	1	713/202	251	
	6	713/200	676	
	12	713/200	676	
726/32	1	713/202	251	
	3	713/200	676	
	9	713/200	676	
726/33	1	713/202	251	
	2	713/200	676	
	9	713/200	676	
726/34	1	713/201	669	
	1	713/201	669	
	2	713/202	251	
	4	713/202	251	
	9	713/200	676	
	28	713/200	676	
726/35	1	713/201	669	

Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs	Comments
726/35	3	713/201	669	
	3	713/202	251	
	3	713/202	251	
	6	713/200	676	
	18	713/200	676	
726/36	1	713/201	669	
	1	713/202	251	
	4	713/202	251	
	5	713/200	676	
	7	713/200	676	
726/4	3	713/202	251	
	3	713/202	251	
	12	713/200	676	
	16	713/201	669	
	23	713/200	676	
	35	713/201	669	
726/5	4	713/200	676	
	11	713/202	251	
	12	713/201	669	
	13	713/200	676	
	17	713/202	251	
	39	713/201	669	
726/6	3	713/200	676	
	4	713/200	676	
	4	713/202	251	
	7	713/202	251	
	9	713/201	669	
	17	713/201	669	
726/7	4	713/200	676	
	4	713/200	676	
	4	713/201	669	
	6	713/202	251	
	16	713/201	669	
726/8	1	713/200	676	
	1	713/200	676	
	2	713/202	251	
	3	713/202	251	
	4	713/201	669	
	9	713/201	669	
726/9	4	713/200	676	
	4	713/202	251	
	5	713/200	676	
	8	713/201	669	
	13	713/201	669	

Generated by: Data Control Division

Comments	Source Classification	Number Of ORs	New Classification	Number Of ORs
	713/200	676	380/28	1
			380/37	1
			436/1	1
			463/1	1
			705/1	2
			707/200	1
			709/211	1
			709/221	1
			711/163	1
			712/1	1
			712/237	1
			713/150	1
			713/158	1
			713/169	1
			713/186	2
			713/189	1
			714/746	1
			726/1	8
			726/1	18
			726/2	12
			726/2	22
			726/3	10
			726/3	12
			726/4	12
			726/4	23
			726/5	4
			726/5	13
			726/6	3
			726/6	4
			726/7	4
			726/8	1
			726/9	4
			726/9	5
			726/10	2
			726/10	7
			726/11	2
			726/11	5
			726/12	2
			726/13	2
			726/13	4
			726/14	1
			726/14	4
			726/15	2
			726/16	9
			726/17	9
			726/17	14

Generated by: Data Control Division

Comments	Source Classification	Number Of ORs	New Classification	Number Of ORs
	713/200	676	726/18	3
			726/18	7
			726/19	2
			726/19	7
			726/20	7
			726/20	21
			726/21	4
			726/21	24
			726/22	12
			726/22	31
			726/23	5
			726/23	25
			726/24	19
			726/24	23
			726/25	1
			726/25	2
			726/26	16
			726/26	30
			726/27	10
			726/28	7
			726/28	13
			726/29	2
			726/29	18
			726/30	2
			726/30	8
			726/31	6
			726/31	12
			726/32	3
			726/32	9
			726/33	2
			726/33	9
			726/34	9
			726/34	28
			726/35	6
			726/35	18
			726/36	5
			726/36	7
	713/201	669	380/211	1
			380/255	1
			380/277	1
			707/3	1
			709/227	1
			713/150	1
			713/151	1
			713/152	1
			713/153	1

Generated by: Data Control Division

Comments	Source Classification	Number Of ORs	New Classification	Number Of ORs
	713/201	669	713/155	1
			713/156	2
			713/163	1
			713/166	1
			713/176	1
			716/13	1
			717/127	1
			726/1	9
			726/1	21
			726/2	10
			726/2	25
			726/3	14
			726/3	33
			726/4	16
			726/4	35
			726/5	12
			726/5	39
			726/6	9
			726/6	17
			726/7	4
			726/7	16
			726/8	4
			726/8	9
			726/9	8
			726/9	13
			726/10	8
			726/10	12
			726/11	19
			726/11	20
			726/12	10
			726/12	14
			726/13	1
			726/13	21
			726/14	7
			726/14	22
			726/15	13
			726/15	14
			726/16	3
			726/16	4
			726/17	1
			726/17	4
			726/18	1
			726/19	2
			726/19	3
			726/20	3
			726/20	4

Generated by: Data Control Division

Comments	Source Classification	Number Of ORs	New Classification	Number Of ORs
	713/201	669	726/21	4
			726/21	8
			726/22	15
			726/22	19
			726/23	9
			726/23	26
			726/24	5
			726/24	9
			726/25	10
			726/25	13
			726/26	5
			726/26	8
			726/27	4
			726/27	5
			726/28	4
			726/29	2
			726/29	8
			726/30	2
			726/30	4
			726/31	1
			726/34	1
			726/35	1
			726/35	3
			726/36	1
	713/202	251	713/168	1
			714/700	1
			726/2	2
			726/2	8
			726/3	1
			726/3	3
			726/4	3
			726/5	11
			726/5	17
			726/6	4
			726/6	7
			726/7	6
			726/8	2
			726/8	3
			726/9	4
			726/10	1
			726/10	4
			726/11	1
			726/11	2
			726/13	1
			726/14	3
			726/15	1

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	Source	Number	New	Number
Comments	Classification	Of ORs	Classification	Of ORs
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	713/202	251	726/16	2
			726/16	6
			726/17	7
			726/18	6
			726/18	28
			726/19	8
			726/19	37
			726/20	3
			726/20	8
			726/21	7
			726/22	6
			726/23	2
			726/26	1
			726/26	2
			726/27	1
			726/28	2
			726/28	5
			726/30	4
			726/31	1
			726/32	1
			726/33	1
			726/34	2
			726/34	4
			726/35	3
			726/36	1
			726/36	4

C. CHANGES TO THE U.S. – I. P. C. CONCORDANCE

	U. S.		I. P. C.	
Class	Subclass	Subclass	Notation
726	1	H04K	01/00
		H04L	09/00
		G06F	17/00
	2	H04L	09/32
		G06K	09/00
		G06F	07/04
		G06F	17/30
	3-10	G06F	07/04
		G06F	07/58
		G06F	15/16
		G06F	17/30
		G06K	09/00
		G06K	19/00
		H04L	09/32
	11-15	G06F	09/00
		G06F	15/16
		G06F	17/00
	16-21	G06F	07/04
		G06F	07/58
		G06F	12/00
		G06F	12/14
		G06F	13/00
		G06F	17/30
		G06K	19/00
		G11C	03/00
		G11C	07/00
		H04L	09/32
	22-25	G06F	11/00
		G06F	11/22
		G06F	11/30
		G06F	11/32
		G06F	11/34
		G06F	11/36
		G06F	12/14

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U. S.		I. P. C.	
Class	Subclass	Subclass	Notation
726	22-25	G06F	12/16
		G06F	15/18
		G08B	23/00
	26-33	G06F	07/04
		G06F	17/30
		G06F	17/60
		G06K	09/00
		H04K	01/00
		H04L	09/00
		H04L	09/32
		H03M	01/68
		H04N	07/16
	34-36	G06F	01/26
		G06F	11/00
		G08B	13/00
		G08B	21/00
		G08B	29/00

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 326 – ELECTRONIC DIGITAL LOGIC CIRCUITRY

Subclass 8:   Under SEE OR SEARCH CLASS

          Delete:

                   The reference to Class 713.

          Insert:

                   726,   Information Security, subclasses 1-36 for information security in
                             computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 340 – COMMUNICATIONS: ELECTRICAL

Subclass 5.54:   Under SEE OR SEARCH CLASS

    Delete:

        The reference to Class 713.

    Insert:

        726,   Information Security, subclasses 1-30 for information security in computers or digital processing system.

Subclass 5.74:   Under SEE OR SEARCH CLASS

    Delete:

        The reference to Class 713.

    Insert:

        713,   Electrical Computers and Digital Processing Systems: Support, subclasses 182 through 186 for system access control based on user identification by cryptography.

        726,   Information Security, subclasses 1-30 for information security in computers or digital processing system.

 D. CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 358 – FACSIMILE AND STATIC PRESENTATION PROCESSING

Subclass 400:　　　Under SEE OR SEARCH CLASS

　　　　Delete:

　　　　　　The reference to Class 713.

　　　　Insert:

　　　　　　726,　　Information Security, subclasses 1-36 for information security in
　　　　　　　　　computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 365 – STATIC INFORMATION STORAGE AND RETRIEVAL

Subclass 185.04: Under SEE OR SEARCH CLASS

    Insert:

        726,   Information Security, subclasses 1-30 for information security in computers or digital processing system.

D. CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 380 – CRYPTOGRAPHY

CLASS DEFINITION, SECTION II - REFERENCES TO OTHER CLASSES, under SEE OR
SEARCH CLASS

    Delete:

        The reference to Class 713.

    Insert:

        713,   Electrical Computers and Digital Processing Systems: Support,
                subclasses 150 through 194 for cryptographic electrical computer or
                digital processing system support, and foreign art collections FOR 123
                and FOR 125 for cryptographic user or record authentication.

        726,   Information Security, subclasses 1-36 for information security in
                computers or digital processing system.

Subclass 25:   Under SEE OR SEARCH CLASS

    Delete:

        The reference to Class 713.

    Insert:

        726,   Information Security, subclasses 1-36 for information security in
                computers or digital processing system.

Subclass 227:   Under SEE OR SEARCH CLASS

    Insert:

        726,   Information Security, subclasses 1-36 for information security in
                computers or digital processing system.

Subclass 247:   Under SEE OR SEARCH CLASS

  Insert:

    726, Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 258:   Under SEE OR SEARCH CLASS

  Insert:

    726, Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 277:   Under SEE OR SEARCH CLASS

  Insert:

    726, Information Security, subclasses 1-36 for information security in computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 455 – TELECOMMUNICATIONS

Subclass 410**:**   Under SEE OR SEARCH CLASS

      <u>Insert</u>:

           726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 700 – DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC
              APPLICATIONS

Class Definition: Under SECTION II - REFERENCE TO OTHER CLASSES, under SEE OR
              SEARCH CLASS,

       Delete:

              The reference to Class 713.

       Insert:

              713,   Electrical Computers and Digital Processing Systems: Support,
                      appropriate subclasses for computer or digital processing system
                      support (e.g., power supply and timing, etc.).

Subclass 237:   Under the subclass definition

       Insert:

              SEE OR SEARCH CLASS:

              726,   Information Security, subclasses 1-36 for information security in
                      computers or digital processing system.

D. CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 704 – DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
          LANGUAGE TRANSLATION, AND AUDIO
          COMPRESSION/DECOMPRESSION

Subclass 273:   Under the subclass definition

    Insert:

              SEE OR SEARCH CLASS:

        726,   Information Security, subclasses 1-36 for information security in
                 computers or digital processing system.

D. CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 705 – DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT,
            OR COST/PRICE DETERMINATION

Subclass 18:   Under SEE OR SEARCH CLASS

    Insert:

            726,   Information Security, subclasses 1-36 for information security in
                    computers or digital processing system.

Subclass 44:   Under SEE OR SEARCH CLASS

    Insert:

            726,   Information Security, subclasses 1-36 for information security in
                    computers or digital processing system.

Subclass 59:   Under SEE OR SEARCH CLASS

    Delete:

            The reference to Class 713.

    Insert:

            726,   Information Security, subclasses 1-36 for information security in
                    computers or digital processing system.

Subclass 65:   Under SEE OR SEARCH CLASS

    Insert:

            726,   Information Security, subclasses 1-36 for information security in
                    computers or digital processing system.

Subclass 67:   Under SEE OR SEARCH CLASS

    Insert:

            726,   Information Security, subclasses 1-36 for information security in
                    computers or digital processing system.

Subclass 69: Under SEE OR SEARCH CLASS

    Insert:

        726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 72:   Under SEE OR SEARCH CLASS

    Insert:

        726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 75:   Under SEE OR SEARCH CLASS

    Insert:

        726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 79:   Under SEE OR SEARCH CLASS

    Insert:

        726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 405:   Under SEE OR SEARCH CLASS

    Delete:

    The reference to Class 713.

    Insert:

        726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 706 – DATA PROCESSING: ARTIFICIAL INTELLIGENCE

Class Definition: Under SECTION II - REFERENCES TO OTHER CLASSES, under SEE OR
                   SEARCH CLASS

     Delete:

     The reference to Class 713.

     Insert:

          713,   Electrical Computers and Digital Processing Systems: Support
appropriate subclasses for data processing security; subclasses 300-340
for power control; subclasses 400 and 401 for synchronization of clock
or timing signals, data, or pulses; subclasses 500-503 for clock, pulse,
or timing signal generation or analysis; and subclasses 600 and 601 for
clock control of data processing system, component, or data
transmission.

          726,   Information Security, subclasses 1-36 for information security in
computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

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

Subclass 5:   Under SEE OR SEARCH CLASS

        Delete:

                The reference to Class 713.

        Insert:

                726,   Information Security, subclasses 1-36 for information security in
                         computers or digital processing system.

Subclass 9:   Under SEE OR SEARCH CLASS

        Delete:

                The reference to Class 713.

        Insert:

                726,   Information Security, subclasses 1-36 for information security in
                         computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 708 – ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING AND
               CALCULATING

Subclass 135:   Under the subclass definition

        Insert:

                SEE OR SEARCH CLASS:

        726,   Information Security, subclasses 1-36 for information security in
                  computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

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

Subclass 200:

    Delete:

            The reference to Class 713.

    Insert:

            713,   Electrical Computers and Digital Processing Systems:
                    Support, subclasses 1 and 2 for determining the initial configuration of
                    a single computer, and subclass 100 for altering an established
                    configuration of a single computer.

            726,   Information Security, subclasses 1-36 for information security in
                    computers or digital processing system.

Subclass 225:   Under SEE OR SEARCH CLASS

    Delete:

            The reference to Class 713.

    Insert:

            726,   Information Security, subclasses 1-36 for information security in
                    computers or digital processing system.

Subclass 229:   Under SEE OR SEARCH CLASS

    Delete:

            The reference to Class 713.

    Insert:

            726,   Information Security, subclasses 1-36 for information security in
                    computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 710 – ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS:
             INPUT/OUTPUT

Class Definition: Under SECTION II - REFERENCES TO OTHER CLASSES, under SEE OR
                   SEARCH CLASS

    Delete:

           The reference to Class 713.

    Insert:

           713,   Electrical Computers and Digital Data Processing Systems: Support,
                   subclass 187 for computer program modification detection by
                   cryptography, and subclass 188 for computer virus detection by
                   cryptography.

           726,   Information Security, subclasses 1-36 for information security in
                   computers or digital processing system.

Subclass 1:   Under SEE OR SEARCH CLASS

    Delete:

           The reference to Class 713.

    Insert:

           726,   Information Security, subclasses 1-36 for information security in
                   computers or digital processing system.

Subclass 28:   Under SEE OR SEARCH CLASS

    Delete:

           The reference to Class 713.

    Insert:

           726,   Information Security, subclasses 1-36 for information security in
                   computers or digital processing system.

Subclass 200:   Under SEE OR SEARCH CLASS

Delete:

The reference to Class 713.

Insert:

726,   Information Security, subclasses 1-36 for information security in
computers or digital processing system.

D. CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 711 – ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:
          MEMORY

Class Definition: Under SECTION II - REFERENCES TO OTHER CLASSES, under SEE OR
          SEARCH CLASS

     Delete:

          The reference to Class 713.

     Insert:

          713,   Electrical Computers and Digital Processing Systems:
                   Support, subclasses 150 and 181 for multiple computer communication
                   using cryptography; and subclasses 187 and 188 for software program
                   protection or computer virus detection in combination with data
                   encryption.

          726,   Information Security, subclasses 1-36 for information security in
                   computers or digital processing system.

Subclass 153:   Under SEE OR SEARCH CLASS

     Delete:

          The reference to Class 713.

     Insert:

          726,   Information Security, subclasses 1-36 for information security in
                   computers or digital processing system.

Subclass 161:   Under SEE OR SEARCH CLASS

     Insert:

          726,   Information Security, subclasses 1-36 for information security in
                   computers or digital processing system.

Subclass 163: Under SEE OR SEARCH CLASS

    Delete:

        The reference to Class 713.

    Insert:

        713,   Electrical Computers and Digital Processing Systems: Support, subclasses 182 through 186 for system access control based on cryptographic identification, and subclasses 187 and 188 for software program protection or computer virus detection in combination with data encryption.

        726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 164:   Under SEE OR SEARCH CLASS

    Delete:

        The reference to Class 713.

    Insert:

        713,   Electrical Computers and Digital Processing Systems: Support, subclasses 187 and 188 for software program protection or computer virus detection in combination with data encryption.

        726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 216: Under SEE OR SEARCH CLASS

    Delete:

        The reference to Class 713.

    Insert:

        713,   Electrical Computers and Digital Processing Systems: Support, subclasses 187 and 188 for software program protection or computer virus detection in combination with data encryption.

        726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 712 – ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS:
             PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G.,
             PROCESSORS)

Class Definition: Under SECTION II - REFERENCES TO OTHER CLASSES, under SEE OR
                   SEARCH CLASS

    Delete:

                   The reference to Class 713.

    Insert:

          713,   Electrical Computers and Digital Processing Systems, subclasses 1 and
                  2 for computer initialization or configuration; subclass 100 for
                  reconfiguration; subclasses 150-181 for multiple computer
                  communication protection by cryptography; subclass 187 for computer
                  program modification detection by cryptography; subclass 188 for
                  computer virus detection by cryptography; subclasses 300-340 for
                  computer power control, and subclasses 400-601 for synchronization or
                  clock control in a digital data processing.

          726,   Information Security, subclasses 1-36 for information security in
                  computers or digital processing system.

Subclass 229:   Under SEE OR SEARCH CLASS

    Delete:

                  The reference to Class 713.

    Insert:

          713,   Electrical Computers and Digital Processing Systems:
                  Support, subclasses 2 and 100 for mode changing by booting or
                  reconfiguring.

          726,   Information Security, subclasses 1-36 for information security in
                  computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 713 – ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:
            SUPPORT

Definitions Abolished:

Subclasses 200-202

Definitions Modified:

Class Definition: Under Section II - References To Other Classes, under SEE OR SEARCH
            CLASS

        Insert:

                726,   Information Security, subclasses 1-36 for information security in
                          computers or digital processing system.

Subclass 182:   Under SEE OR SEARCH THIS CLASS, SUBCLASS

        Delete:

                The reference to subclasses 200+

                Under SEE OR SEARCH CLASS:

        Insert:

                726,   Information Security, subclasses 1-36 for information security in
                          computers or digital processing system.

Subclass 183:   Under SEE OR SEARCH THIS CLASS, SUBCLASS

        Delete:

                The reference to subclasses 202

Under SEE OR SEARCH CLASS:

Insert:

    726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 184:   Under SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The reference to subclasses 202

Under SEE OR SEARCH CLASS:

Insert:

    726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 187:   Under the subclass definition

Delete:

SEE OR SEARCH THIS CLASS, SUBCLASS:

200, 201, and 202 for computer and digital processing security in general or in combination with nominal cryptography.

Under SEE OR SEARCH CLASS:

Insert:

    726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 188:   Under the subclass definition

Delete:

SEE OR SEARCH THIS CLASS, SUBCLASS:

200, 201, and 202 for computer and digital processing security in general or in combination with nominal cryptography.

Insert:

    726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 189: Under the subclass definition

Delete:

SEE OR SEARCH THIS CLASS, SUBCLASS:

200, 201, and 202 for computer and digital processing security in general or in combination with nominal cryptography.

Insert:

SEE OR SEACH CLASS:

    726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

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

Class Definition: Under Section II - References To Other Classes, under SEE OR SEARCH
                   CLASS

        Insert:

                726,   Information Security, subclasses 1-36 for information security in
                          computers or digital processing system.

Subclass 100: Under SEE OR SEARCH CLASS

        Delete:

                The reference to Class 713.

        Insert:

                726,   Information Security, subclasses 1-36 for information security in
                          computers or digital processing system.

D.　CHANGES TO THE DEFINITIONS (Project No. E-6318)

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

Subclass 741:　　Under SEE OR SEARCH CLASS:

　　　Delete:

　　　　　713,　　Electrical Computers and Digital Processing Systems: Support,
　　　　　　　　　subclasses 200-202 for computer security methods or devices.

　　　Insert:

　　　　　726,　　Information Security, subclasses 1-36 for information security in
　　　　　　　　　computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

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

Class Definition Section II - References To Other Classes: under SEE OR SEARCH CLASS

   Insert:

        726,   Information Security, subclasses 1-36 for information security in
                 computers or digital processing system.

Subclass 123: Under SEE OR SEARCH CLASS

   Delete:

        The reference to Class 713.

   Insert:

        726,   Information Security, subclasses 1-36 for information security in
                 computers or digital processing system.

Subclass 124: Under SEE OR SEARCH CLASS

   Insert:

        726,   Information Security, subclasses 1-36 for information security in
                 computers or digital processing system.

Subclass 168: Under SEE OR SEARCH CLASS

   Insert:

        726,   Information Security, subclasses 1-36 for information security in
                 computers or digital processing system.

Subclass 170: Under SEE OR SEARCH CLASS

   Insert:

        726,   Information Security, subclasses 1-36 for information security in
                 computers or digital processing system.

Subclass 173: Under SEE OR SEARCH CLASS

    <u>Insert:</u>

        726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

Subclass 174: Under SEE OR SEARCH CLASS

    <u>Insert:</u>

        726,   Information Security, subclasses 1-36 for information security in computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 719 – ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:
             INTERPROGRAM COMMUNICATION OR INTERPROCESS
             COMMUNICATION (IPC)

Class Definition: Under Section II - References To Other Classes, under SEE OR SEARCH
                   CLASS

    <u>Delete</u>:

    The reference to Class 713.

    <u>Insert</u>:

        713,   Electrical Computers and Digital Processing Systems: Support,
                  subclasses 1 and 2 for digital processing system initialization and
                  configuration (e.g., initializing, set-up, resetting, etc.); subclass 100 for
                  reconfiguring digital data computer system (e.g., changing system
                  settings, etc.); subclasses 150-181 for multiple computer
                  communication protection by cryptography; subclass 187 for computer
                  program modification detection by cryptography; subclass 188 for
                  computer virus detection by cryptography; subclasses 300-340 for
                  computer power control; subclasses 400 and 401 for synchronization of
                  computer clocks, data timing signals, or pulses; and subclasses 500-503
                  for computer clock, pulse, or timing signal or analysis.

        726,   Information Security, subclasses 1-36 for information security in
                  computers or digital processing system.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 726 – INFORMATION SECURITY

SECTION I - CLASS DEFINITION

GENERAL STATEMENT OF THE CLASS SUBJECT MATTER

This class provides, within a computer or digital data processing system, for processes or apparatus for increasing a system's extension of protection of system hardware, software, or data from maliciously caused destruction, unauthorized modification, or unauthorized disclosure.

INFORMATION SECURITY

This class provides for protection of data processing systems, apparatus, and methods as well as protection of information and services. Subject matter included in this class includes security policies, access control, monitoring, scanning data, countermeasures, usage control, and data protection from maliciously caused destruction, unauthorized modification, or unauthorized disclosure. This class also includes protection of hardware, and user protection, e.g., privacy, etc.

SECTION II - REFERENCES TO OTHER CLASSES

SEE OR SEARCH CLASS:

326,   Electronic Digital Logic Circuitry, subclass 8 for digital logic circuits acting to disable or prevent access to stored data or designated integrated circuit structure.

340,   Communications: Electrical, subclasses 5.2 through 5.74 for authorization control without significant data process features claimed, particularly subclasses 5.22-5.25 for programmable or code learning authorization control; and subclasses 5.8-5.86 for intelligence comparison for authentication.

365,   Static Information Storage and Retrieval, subclass 185.04 for floating gate memory device having ability for securing data signal from being erased from memory cells.

380,   Cryptography, subclasses 200-242 for video with data encryption; subclasses 243-246 for facsimile encryption; subclasses 247-250 for cellular telephone cryptographic authentication; subclass 251 for electronic game using cryptography; subclasses 255-276 for communication using cryptography; subclasses 277-47 for key management; and subclasses 287-53 for electrical signal modification with digital signal handling.

455,   Telecommunications, subclass 410 for security or fraud prevention in a radiotelephone system.

704,   Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression, subclass 273 for an application of speech processing in a security system.

705,   Data Processing: Financial, Business Practice, Management, or Cost/Price Determination, subclass 18 for security in an electronic cash register or point of sale terminal having password entry mode, and subclass 44 for authorization or authentication in a credit transaction or loan processing system.

708,   Electrical Computers: Arithmetic Processing And Calculating, subclass 135 for electrical digital calculating computer with specialized input for security.

710,   Electrical Computers and Digital Data Processing Systems: Input/Output, subclasses 36-51 for regulating access of peripherals to computers or vice-versa; subclasses 107-125 for regulating access of processors or memories to a bus; and subclasses 200-240 for general purpose access regulating and arbitration.

711,   Electrical Computers and Digital Processing Systems: Memory, subclass 150 for regulating access to shared memories, subclasses 163 and 164 for preventing unauthorized memory access requests.

713,   Electrical Computers and Digital Processing System: Support, subclasses 150-181 for multiple computer communication using cryptography; subclasses 182-186 for system access control based on user identification by cryptography; subclass 187 for computer program modification detection by cryptography; subclass 188 for computer virus detection by cryptography; and subclasses 189-194 for data processing protection using cryptography.

714,   Error Detection/Correction and Fault Detection/Recovery, subclasses 1-57 for recovering from, locating, or detecting a system fault caused by malicious or unauthorized access (e.g., by virus, etc.).

SECTION III – GLOSSARY

ACCESS CONTROL

The prevention of unauthorized access to resources of a system or information system, including the prevention of their use in an unauthorized manner.

INFORMATION

Data with meaning concerning a particular act or circumstance in general. Note: May include or consist of graphics or text or numerical or non-numerical values.

MONITORING

Subject matter includes means of watching, tracking, inspecting, analyzing of system or user activity. This includes the auditing of system vulnerabilities and system configuration, assessing the integrity of files within a system, identifying and recognizing patterns that dictate known attacks, analysis of abnormal activity patterns, recognizing user activity in regards to policy violations and operating system audit trail management.

POLICY

Rules for protecting information, services and other data processing resources.

USAGE CONTROL

Subject matter includes means placing restrictions on computer and/or user use of applications

USER PROTECTION/PRIVACY

Subject matter includes means for ensuring the state or integrity of information or data associated with a user.

SUBCLASSES

1   **POLICY:**
Subject matter under the class definition comprising systems, methods, and apparatus that provide for the administration and management of rules or regulations governing the protection of information, services and other data processing resources involving coordination of more than one security mechanisms among a plurality of entities, resources, or processes.

2   **ACCESS CONTROL OR AUTHENTICATION:**
Subject matter under the class definition comprising systems, methods, and apparatus for the prevention of unauthorized access to resources of a system or information system, including the manner of identifying and verifying the entity, process, or mechanism requesting access to the resource.

(1)   Note. This subclass is directed to access control in information security systems. The concept of access control exists throughout the class. Therefore, a search to a particular concept of access control should consider the related topics in bus access control, memory access control, computer system access control, generic access control, etc.

SEE OR SEARCH THIS CLASS, SUBCLASS:

27,   for prevention of unauthorized use of data access control.

SEE OR SEARCH CLASS:

340,   Communications: Electrical, subclasses 5.8-5.86 for selective electrical communications systems with intelligence comparison for identity authentication.

345,   Computer Graphics Processing, Operator Interface Processing, and Selective Visual Display Systems, subclasses 716-726 for operator interface aspects of workgroup data processing environments for plural users or sites.

380,   Cryptography, appropriate subclasses for systems employing encrypted user or record actuated authentication, and for digital control or digital computer communication in which an encrypting or decrypting device utilizes a digital signal manipulation technique on the computer signal, and subclasses 247-250 for cellular telephone cryptographic authentication.

705,   Data Processing: Financial, Business Practice, Management, or Cost/Price Determination, subclass 18 for an electronic cash register having cryptography; and subclass 44 for a general funds transfer or credit transaction requiring authorization or authentication not including a cryptographic limitation.

707,   Data Processing: Database and File Management or Data Structures, subclass 9 for privileged database or file accessing.

709,   Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring, subclass 225 for controlling which of plural computers may transfer data via a communications medium.

710,   Electrical Computers and Digital Data Processing Systems: Input /Output, subclasses 107-125 for bus access regulating.

711,   Electrical Computers and Digital Processing Systems: Memory, subclasses 147-153 for shared memory access and control, and subclasses 163-164 for access limiting and password use therein.

713,   Electrical Computers and Digital Processing Systems: Support, subclasses 155-159 for central trusted authority authentication; subclasses 168-181 for particular communication authentication technique; and subclasses 182-186 for system access control based on cryptographic user identification.

3   Network:
Subject matter under subclass 2 including means of limiting access to the resources of a system based on a network level.

(1)   Note. The network level is computer-to-computer communication.

SEE OR SEARCH CLASS:

709,   Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring, subclass 22 controlling which of plural computers may transfer data via a communications medium.

4   Authorization:
Subject matter under subclass 3 including permitting the use of rights, privileges, and permissions in a network environment.

SEE OR SEARCH THIS CLASS, SUBCLASS:

18,   for stand-alone authorization.

21,   for access control or authentication.

5   Credential:
Subject matter under subclass 3 including the existence of network data that can be used to establish the claimed identity of a principal including passwords, biometrics.

SEE OR SEARCH CLASS:

382,   Image Analysis, subclass 115 for image analysis for personal identification (biometrics).

713,   Electrical Computers and Digital Processing Systems: Support, subclass 186 for biometric acquisition.

902,   Electronic Funds Transfer, cross-reference art collection 3 for biometric evaluation in electronic funds transfer.

6   Management:
Subject matter under subclass 5 including means or steps for administering credentials, including specific techniques for creating the credentials.

SEE OR SEARCH THIS CLASS, SUBCLASS:

18,   for stand-alone credential management.

7   Usage:
Subject matter under subclass 5 including means or steps for using the credential to establish the identity of the bearer.

SEE OR SEARCH THIS CLASS, SUBCLASS:

20,   for stand-alone credential usage.

8   Global (e.g., Single Sign On (SSO), etc.):
Subject matter under subclass 5 whereby a single credential can be used to access a plurality of systems or resources.

9   Tokens (e.g., smartcards or dongles, etc.):
Subject matter under subclass 5 whereby the credential includes a unique combination of bits used to confer transmit privileges to a computer on a local network.

SEE OR SEARCH THIS CLASS, SUBCLASS:

20,   for stand-alone authorization.

SEE OR SEARCH CLASS:

380,   Cryptography, subclass 229 for authentication in a video system using a record or token.

705,   Data Processing: Financial, Business Practice, Management, or Cost /Price Determination, subclasses 65-69 for secure transaction including intelligent token.

713,   Electrical Computers and Digital Processing Systems: Support, subclasses 172-174 for generic authentication using intelligent token in multiple computer communication.

10   Tickets (e.g., Kerberos or certificates, etc.):
Subject matter under subclass 5 whereby the credential includes data used to indicate that the bearer is authorized for access.

SEE OR SEARCH CLASS:

713,   Electrical Computers and Digital Processing Systems: Support, subclasses 156-158 for computer network certificates, and subclass 175 for generation of a certificate.

11   Firewall:
Subject matter under subclass 3 including a device installed between internal (private) networks and outside networks (public) and which protects the internal network from network-based attacks that may originate from the outside and to provide a traffic point where security constraints and audits may be affected.

SEE OR SEARCH CLASS:

370,   Multiplex Communications, subclasses 351-430 for multiplex communication routing absent cryptography.

705,   Data Processing: Financial, Business Practice, Management, or Cost /Price Determination, subclass 79 for cryptographic remote charge determination of a secure transaction including payment switch or gateway.

709,   Electrical Computers and Digital Processing Systems: Multicomputer Data Transferring, subclasses 238-244 for computer-to-computer data routing.

713,   Electrical Computers and Digital Processing Systems: Support, subclasses 153 and 154 for a particular node in cryptographically protected multiple computer communication.

12   Proxy server or gateway:
Subject matter under subclass 11 including an intermediate internetworking device that connects one or more networks to another for a specific application.

(1)   Note. The gateway runs a process at the request of the client/user and obtains the service of a particular server; hence it works as both a client and a server provider.

13   Packet filtering:
Subject matter under subclass 11 including a multi-ported internetworking device that applies a set of rules to each incoming IP packet in order to decide whether it is to be forwarded or dropped.

(1)   Note. The filtering usually takes place on information contained in the headers, such as protocol numbers, source or destination addresses/ports, TCP connections, and other options. The filtering may be dynamic or static.

(2)   Note. The packet filter may be different and distinct from routers; see note on routers. Routers are internetworking devices that run a custom operating system to transfer packets between two or more physically separated network segments (via the use of routing tables). This device operates at the network level of the OSI model, or the Internet level of the Internet model.

(3)   Note. Some routers have a scanning ability and are know as screening routers, effectively becoming a packet-filtering device.

14   Security protocols:
Subject matter under subclass 11 including a set of rules, procedures, or conventions governing the format and relative timing of message exchange between two communications terminals to prevent unauthorized intrusion or interference (i.e., attacks).

15 Virtual Private Network or Virtual Terminal Protocol (i.e., VPN or VTP):
Subject matter under subclass 14 wherein the protocol is used for a software-defined network offering the appearance, functionality, and usefulness of a dedicated private network or for a terminal that is defined as a standard on the network that can handle diverse terminals.

SEE OR SEARCH CLASS:

370,   Multiplex Communications, subclass 351 for a path finding or routing through a switching network or a packet switching network.

379,   Telephonic Communications, cross-reference art collection 901 for virtual network or virtual private network for a telephonic device.

16 Stand-alone:
Subject matter under subclass 2 wherein the access control or authentication includes the means of limiting access to the resources of a system based on a single computer or end user level.

(1)   Note. The end user level is the occupant of the premises who uses the product.

17 Authorization:
Subject matter under subclass 16 wherein the access control or authentication includes permitting the use of rights, privileges, and permissions in the stand-alone network environment.

SEE OR SEARCH THIS CLASS, SUBCLASS:

4,   for network authorization.

21,   for access control or authentication.

18 Credential management:
Subject matter under subclass 17 wherein the authorization includes systems, methods, or apparatus for administering information supplied to authenticate a communication.

(1)   Note. This subject includes specific techniques for creating the credentials.

SEE OR SEARCH THIS CLASS, SUBCLASS:

6,   for network credential management.

19 Credential usage:
Subject matter under subclass 17 wherein the authorization includes systems, methods, and apparatus for using information supplied to authenticate a communication to establish the identity of the bearer.

SEE OR SEARCH THIS CLASS, SUBCLASS:

7,   for network credential usage.

20 Tokens (e.g., smartcards or dongles, etc.):
Subject matter under subclass 17 wherein the authorization includes a unique combination of bits used to confer transmit privileges to a computer on a stand-alone.

SEE OR SEARCH THIS CLASS, SUBCLASS:

9,   for network credential tokens.

21   Authorization:
Subject matter under subclass 2 wherein access control means includes use of permissions, rights, or privileges.

SEE OR SEARCH THIS CLASS, SUBCLASS:

4,   for network authorization.

17,   for stand-alone authorization.

22   MONITORING OR SCANNING OF SOFTWARE OR DATA INCLUDING ATTACK PREVENTION:
Subject matter under the class definition comprising systems, methods, and apparatus for ensuring data integrity by scanning of software or data or otherwise monitoring data to prevent or detect attacks.

SEE OR SEARCH CLASS:

705,   Data Processing: Financial, Business Practice, Management, or Cost/Price Determination, subclasses 51-54 for usage protection of a distributed data file, and subclass 405 for cost/data protection.

713,   Electrical Computers and Digital Processing Systems: Support, subclasses 189-194 for data processing protection using cryptography.

717,   Data Processing: Software Development, Installation, and Management, 168-173 for software upgrading or updating (including plural version management) and subclasses 174-178 for software installation.

23   Intrusion detection:
Subject matter under subclass 22 comprising means to sense the presence of an intruder.

24   Virus detection:
Subject matter under subclass 23 wherein the intruder is a virus.

SEE OR SEARCH CLASS:

713,   Electrical Computers and Digital Processing Systems: Support, subclasses 150-181 for multiple computer communication using cryptography; and subclasses 187 and 188 for software program protection or computer virus detection in combination with data encryption.

25   Vulnerability assessment:
Subject matter under subclass 22 wherein monitoring or scanning of software or data includes methods or systems to evaluate the defensive capabilities of a system, process, apparatus, or entity against attacks.

(1)   Note. The subject matter of this subclass is primarily concerned with keeping out intruders and preventing attacks as opposed to authenticating users.

26   PREVENTION OF UNAUTHORIZED USE OF DATA INCLUDING PREVENTION OF PIRACY, PRIVACY VIOLATIONS, OR UNAUTHORIZED DATA MODIFICATION:

Subject matter under the class definition comprising systems, methods, and apparatus for prohibiting any impersonation, unauthorized browsing, falsification or theft of data, or alteration of data not consistent with defined security policy.

SEE OR SEARCH CLASS:

380,   Cryptography, subclasses 200-242 for video with data encryption; subclasses 243-246 for facsimile encryption; subclasses 247-250 for cellular telephone cryptographic authentication; subclass 251 for electronic game using cryptography; subclasses 255-276 for communication using cryptography; subclasses 277-47 for key management; and subclasses 287-53 for electrical signal modification with digital signal handling.

399,   Electrophotography, subclass 366 for document handling of unauthorized copy prevention.

455,   Telecommunications, subclass 26.1 for subject matter which blocks access a signal source or otherwise limits usage of modulated carrier equipment.

700,   Data Processing: Generic Control Systems or Specific Applications, subclasses 225-227 for data processing article handling system having identification code, and subclass 237 for an operator or payment initiated dispensing or ending data processing system having password or PIN authorization.

705,   Data Processing: Financial, Business Practice, Management, or Cost/Price Determination, subclass 18 for security in an electronic cash register or point of sale terminal having password entry mode; subclasses 57 and 58 for preventing access to or copying of stored information in a distributed data file.

711,   Electrical Computers and Digital Processing Systems: Memory, subclass 164 for memory access requiring authorization code information (e.g., password or key other than encryption key, etc.).

713,   Electrical Computers and Digital Processing Systems: Support, subclass 187 for computer program modification detection by cryptography.

714,   Error Detection/Correction and Fault Detection /Recovery, subclasses 763-773 for memory access block coding, and subclass 805 for storage accessing error/fault detection techniques.

27   Access control:

Subject matter under subclass 26 comprising means to control data tampering by limiting access to authorized entities or processes.

SEE OR SEARCH THIS CLASS, SUBCLASS:

2,   for general access control or authentication of information security.

28   By authorizing user:

Subject matter under subclass 27 wherein the access control includes means to limit access by an authorized user.

29   By authorizing client:

Subject matter under subclass 27 wherein the access control includes means to limit access to an authorized client.

30   **By authorizing data:**
Subject matter under subclass 27 wherein the access control includes means to limit access by the data to be used.

31   **Limitations on number or amount of copies:**
Subject matter under subclass 26 wherein the prevention of unauthorized use of data includes means to limit number or amount of electronic copies of the data that can be made.

32   **Copy detection:**
Subject matter under subclass 26 including means to prevent unauthorized use by detecting electronic copying of data.

SEE OR SEARCH CLASS:

380,   Cryptography, subclasses 201-204 for copy protection or prevention of a video signal.

399,   Electrophotography, subclass 366 for document handling of unauthorized copy prevention.

705,   Data Processing: Financial, Business Practice, Management, or Cost/Price Determination, subclass 57 for copy protection or prevention.

33   **Copy inactivation:**
Subject matter under subclass 26 including means to prevent unauthorized use by rendering an electronic copy inactive unless access is authorized.

34   **PROTECTION OF HARDWARE:**
Subject matter under the class definition comprising systems, methods, and apparatus used for safeguarding physical equipment used in data processing.

SEE OR SEARCH CLASS:

49,   Movable or Removable Closures, subclasses 13 and 14 for closure condition indicator.

70,   Locks, subclasses 432-441 and Digest 49 for locks with indicator or alarm.

109,   Safes, Bank Protection, or a Related Device, subclass 21 for bank protection device with alarm or indicator; subclass 31 for art device combined with fluent material distributing, generating device for alarm or indicator; and subclass 38 for combined art device with alarm or indicator.

116,   Signals and Indicators, subclass 6 for burglar alarm and subclass 33 for vehicle theft prevention.

340,   Communications: Electrical, subclasses 287-309 for a signal box alarm arrangement, particularly subclass 288 for alarm transmission over a power line; subclasses 426.1-426.36 for vehicle alarms or indication of burglary or unauthorized use; and subclasses 541-567 for an intrusion responsive indicator or alarm.

348,   Television, subclass 152 for intrusion detection by a television camera.

361,   Electricity: Electrical Systems and Devices, appropriate subclasses for general safety and protection of systems and devices.

379,   Telephonic Communications, subclasses 37-51 for emergency or alarm communications (e.g., watchman's circuit, etc.), particularly subclass 39 for subject matter responsive to sensed nonsystem condition, external to the telephone system, and subclasses 106.01-106.11 for remote condition indication, other than an emergency or alarm condition, over a telephone line.

35   Theft prevention:
Subject matter under subclass 34 wherein the protection of hardware includes means to prevent unauthorized removal of hardware.

36   Via power supply:
Subject matter under subclass 34 wherein the protection of hardware includes means for protecting hardware by interruption of power supply.

SEE OR SEARCH CLASS:

713,   Electrical Computers and Digital Processing Systems: Support, subclasses 300-340 for computer power control, in general.

D.   CHANGES TO THE DEFINITIONS (Project No. E-6318)

CLASS 902 –ELECTRONIC FUNDS TRANSFER

Cross-Reference Art Collection 38: Under SEE OR SEARCH CLASS

     Delete:

        The reference to Class 713.

     Insert:

        726,   Information Security, subclasses 1-36 for information security in
                computers or digital processing system.