EUROPEAN PATENT OFFICE

U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1507

DATE: AUGUST 1, 2023

PROJECT RP11517

The following classification changes will be effected by this Notice of Changes:

Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	G06F	2221/07, 2221/0702, 2221/0704, 2221/0706, 2221/0708, 2221/0711, 2221/0713, 2221/0715, 2221/0717, 2221/072, 2221/0722, 2221/0724, 2221/0726, 2221/0728, 2221/0731, 2221/0733, 2221/0735, 2221/0737, 2221/074, 2221/0742, 2221/0744, 2221/0746, 2221/0748, 2221/0751, 2221/0753, 2221/0755, 2221/0757, 2221/0759, 2221/0762, 2221/0764, 2221/0766, 2221/0768, 2221/0771, 2221/0773, 2221/0775, 2221/0777, 2221/0779, 2221/0782, 2221/0784, 2221/0786, 2221/0788, 2221/0791, 2221/0793, 2221/0795, 2221/0797
Symbols New:	G06F	21/101, 21/1011, 21/1012, 21/1013, 21/1014, 21/1015, 21/106, 21/1062, 21/1063, 21/1064, 21/1065, 21/1066, 21/107, 21/1073, 21/1074, 21/1075, 21/1076, 21/1077, 21/1078, 21/1079, 21/108, 21/1082, 21/1083, 21/1084, 21/1085, 21/1086, 21/1087, 21/1088, 21/109
Titles Changed:	G06F	21/10, 21/105
Warnings New:	G06F	21/10, 21/101, 21/106, 21/107, 21/108, 21/109
Notes Modified:	G06F	21/10
DEFINITIONS:		

Action	Subclass	Group(s)
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	G06F	2221/07, 2221/0704, 2221/0706, 2221/0708, 2221/0711, 2221/0713, 2221/0715, 2221/0717, 2221/072, 2221/0724, 2221/0728, 2221/0731, 2221/0733, 2221/0735, 2221/0737, 2221/074, 2221/0742, 2221/0744, 2221/0746, 2221/0748, 2221/0753, 2221/0755, 2221/0759, 2221/0764, 2221/0766, 2221/0768, 2221/0771, 2221/0773, 2221/0775, 2221/0777, 2221/0782, 2221/0784, 2221/0786, 2221/0788, 2221/0791, 2221/0793, 2221/0795, 2221/0797
Definitions New:	G06F	21/101, 21/1011, 21/1012, 21/1013, 21/1014, 21/1015, 21/1062, 21/1063, 21/1064, 21/1066, 21/107, 21/1073, 21/1076, 21/1077, 21/1078, 21/1079, 21/1082, 21/1083, 21/1084, 21/1085, 21/1086, 21/1087, 21/1088, 21/109
Definitions Modified:	G06F	21/10, 21/105

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following *[Check the ones included]*:

1. CLASSIFICATION SCHEME CHANGES

    ☒ A. New, Modified or Deleted Group(s)

    ☒ B. New, Modified or Deleted Warning(s)

    ☒ C. New, Modified or Deleted Note(s)

    ☐ D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

    ☒ A. New or Modified Definitions (Full definition template)

    ☒ B. Modified or Deleted Definitions (Definitions Quick Fix)

3. ☒ REVISION CONCORDANCE LIST (RCL)

4. ☒ CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. ☒ CHANGES TO THE CROSS-REFERENCE LIST (CRL)

1. CLASSIFICATION SCHEME CHANGES

    A. New, Modified or Deleted Group(s)

SUBCLASS G06F – ELECTRIC DIGITAL DATA PROCESSING

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
U	G06F 21/00	0	Security arrangements for protecting computers, components thereof, programs or data against unauthorised activity	
C	G06F 21/10	1	Protecting distributed programs or content, e.g. vending or licensing of copyrighted material (protection in video systems or pay television H04N 7/16) {; Digital rights management [DRM]}	G06F 21/10, G06F 21/101, G06F 21/1011, G06F 21/1012, G06F 21/1013, G06F 21/1014, G06F 21/1015, G06F 21/106, G06F 21/1062, G06F 21/1063, G06F 21/1064, G06F 21/1065, G06F 21/1066, G06F 21/107, G06F 21/1073, G06F 21/1074, G06F 21/1075, G06F 21/1076, G06F 21/1077, G06F 21/1078, G06F 21/1079, G06F 21/108, G06F 21/1082, G06F 21/1083, G06F 21/1084, G06F 21/1085, G06F 21/1086, G06F 21/1087, G06F 21/1088, G06F 21/109
N	G06F 21/101	2	{by binding digital rights to specific entities}	
N	G06F 21/1011	3	{to devices}	
N	G06F 21/1012	3	{to domains}	
N	G06F 21/1013	3	{to locations}	
N	G06F 21/1014	3	{to tokens}	
N	G06F 21/1015	3	{to users}	
M	G06F 21/105	2	{Arrangements for software license management or administration, e.g. for managing licenses at corporate level}	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	G06F 21/106	2	{Enforcing content protection by specific content processing}	
N	G06F 21/1062	3	{Editing}	
N	G06F 21/1063	3	{Personalisation}	
N	G06F 21/1064	3	{Restricting content processing at operating system level}	
N	G06F 21/1065	3	{Generating enhanced content}	
N	G06F 21/1066	3	{Hiding content}	
N	G06F 21/107	2	{License processing; Key processing}	
N	G06F 21/1073	3	{Conversion}	
N	G06F 21/1074	3	{Definition}	
N	G06F 21/1075	3	{Editing}	
N	G06F 21/1076	3	{Revocation}	
N	G06F 21/1077	3	{Recurrent authorisation}	
N	G06F 21/1078	3	{Logging; Metering}	
N	G06F 21/1079	3	{Return}	
N	G06F 21/108	2	{Transfer of content, software, digital rights or licenses}	
N	G06F 21/1082	3	{Backup or restore}	
N	G06F 21/1083	3	{Partial license transfers}	
N	G06F 21/1084	3	{via third party}	
N	G06F 21/1085	3	{Content sharing, e.g. peer-to-peer [P2P]}	
N	G06F 21/1086	3	{Superdistribution}	
N	G06F 21/1087	3	{Synchronisation}	
N	G06F 21/1088	3	{by using transactions with atomicity, consistency, or isolation and durability [ACID] properties}	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	G06F 21/109	2	{by using specially-adapted hardware at the client}	
T	G06F 21/16	2	Program or content traceability, e.g. by watermarking	
D	G06F 2221/07	1	Indexing scheme relating to G06F 21/10, protecting distributed programs or content	\<administrative transfer to G06F 21/10 INV\>
D	G06F 2221/0702	2	Binding	\<administrative transfer to G06F 21/101 INV\>
D	G06F 2221/0704	3	Device	\<administrative transfer to G06F 21/1011 INV\>
D	G06F 2221/0706	4	Domain	\<administrative transfer to G06F 21/1012 INV\>
D	G06F 2221/0708	3	Location	\<administrative transfer to G06F 21/1013 INV\>
D	G06F 2221/0711	3	Token	\<administrative transfer to G06F 21/1014 INV\>
D	G06F 2221/0713	3	User	\<administrative transfer to G06F 21/1015 INV\>
D	G06F 2221/0715	4	Characteristics	\<administrative transfer to G06F 21/1015 INV\>
D	G06F 2221/0717	4	Domain	\<administrative transfer to G06F 21/1012 INV and G06F 21/1015 INV simultaneously\>
D	G06F 2221/072	4	Knowledge	\<administrative transfer to G06F 21/1015 INV\>
D	G06F 2221/0722	2	Content	\<administrative transfer to G06F 21/106 INV\>
D	G06F 2221/0724	3	Editing	\<administrative transfer to G06F 21/1062 INV\>
D	G06F 2221/0726	3	Personalisation	\<administrative transfer to G06F 21/1063 INV\>

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	G06F 2221/0728	4	Conversion	\<administrative transfer to G06F 21/1063 INV>
D	G06F 2221/0731	4	On user or administrative requirements	\<administrative transfer to G06F 21/1063 INV>
D	G06F 2221/0733	4	Watermark	\<administrative transfer to G06F 21/1063 INV>
D	G06F 2221/0735	3	Restriction at operating system level	\<administrative transfer to G06F 21/1064 INV>
D	G06F 2221/0737	3	Traceability	\<administrative transfer to G06F 21/16 INV>
D	G06F 2221/074	4	Tracing pattern recognition	\<administrative transfer to G06F 21/16 INV>
D	G06F 2221/0742	3	Enhanced product	\<administrative transfer to G06F 21/1063 INV>
D	G06F 2221/0744	3	Unique instance (G06F2221/0702 takes precedence)	\<administrative transfer to G06F 21/101 INV>
D	G06F 2221/0746	2	Emerging technologies	\<administrative transfer to G06F 21/10 INV>
D	G06F 2221/0748	2	Hiding	\<administrative transfer to G06F 21/1066 INV>
D	G06F 2221/0751	2	Key	\<administrative transfer to G06F 21/107 INV>
D	G06F 2221/0753	3	Distribution	\<administrative transfer to G06F 21/107 INV>
D	G06F 2221/0755	3	Generation	\<administrative transfer to G06F 21/107 INV>
D	G06F 2221/0757	2	Licence	\<administrative transfer to G06F 21/107 INV>
D	G06F 2221/0759	3	Conversion	\<administrative transfer to G06F 21/1073 INV>
D	G06F 2221/0762	3	Definition	\<administrative transfer to G06F 21/1074 INV>

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to[#]
D	G06F 2221/0764	4	Grace period	\<administrative transfer to G06F 21/1073 INV\>
D	G06F 2221/0766	4	Language	\<administrative transfer to G06F 21/1073 INV\>
D	G06F 2221/0768	3	Editing	\<administrative transfer to G06F 21/1075 INV\>
D	G06F 2221/0771	3	Revocation	\<administrative transfer to G06F 21/1076 INV\>
D	G06F 2221/0773	3	Recurrent authorisation	\<administrative transfer to G06F 21/1077 INV\>
D	G06F 2221/0775	2	Logging	\<administrative transfer to G06F 21/1078 INV\>
D	G06F 2221/0777	2	Return	\<administrative transfer to G06F 21/1079 INV\>
D	G06F 2221/0779	2	Transfer	\<administrative transfer to G06F 21/108 INV\>
D	G06F 2221/0782	3	Backup or restore	\<administrative transfer to G06F 21/1082 INV\>
D	G06F 2221/0784	3	Fragments	\<administrative transfer to G06F 21/1083 INV\>
D	G06F 2221/0786	3	Indirect via third party	\<administrative transfer to G06F 21/1084 INV\>
D	G06F 2221/0788	3	Peer-to-Peer [P2P]	\<administrative transfer to G06F 21/1085 INV\>
D	G06F 2221/0791	3	Superdistribution	\<administrative transfer to G06F 21/1086 INV\>
D	G06F 2221/0793	3	Synchronisation	\<administrative transfer to G06F 21/1087 INV\>
D	G06F 2221/0795	3	Transaction with ACID [Atomicity, Consistency, Isolation and Durability] properties	\<administrative transfer to G06F 21/1088 INV\>
D	G06F 2221/0797	2	using dedicated hardware at the client	\<administrative transfer to G06F 21/109 INV\>

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required "anchor" symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- "Transferred to" column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the "Transferred to" column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: "< administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY, ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("Transferred to") symbol, however it is required to specify "<no transfer>" in the "Transferred to" column for such cases.
- For finalisation projects, the deleted "F" symbols should have <no transfer> in the "Transferred to" column.
- For more details about the types of scheme change, see CPC Guide.

B. New, Modified or Deleted Warning(s)

SUBCLASS G06F – ELECTRIC DIGITAL DATA PROCESSING

Type*	Location	Old Warning	New/Modified Warning
N	G06F 21/10		Group G06F 21/10 is impacted by reclassification into groups G06F 21/101 - G06F 21/1015, G06F 21/106 - G06F 21/1066, G06F 21/107 - G06F 21/1079, G06F 21/108 - G06F 21/1088 and G06F 21/109. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 21/101		Groups G06F 21/101 - G06F 21/1015 are incomplete pending reclassification of documents from group G06F 21/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 21/106		Groups G06F 21/106 - G06F 21/1066 are incomplete pending reclassification of documents from group G06F 21/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 21/107		Groups G06F 21/107 - G06F 21/1079 are incomplete pending reclassification of documents from group G06F 21/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 21/108		Groups G06F 21/108 - G06F 21/1088 are incomplete pending reclassification of documents from group G06F 21/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 21/109		Group G06F 21/109 is incomplete pending reclassification of documents from group G06F 21/10. Groups G06F 21/10 and G06F 21/109 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

C.   New, Modified or Deleted Note(s)

SUBCLASS G06F – ELECTRIC DIGITAL DATA PROCESSING

Type*	Location	Old Note	New/Modified Note
N	G06F 21/10		{In this group, the following terms or expressions are used with the meaning indicated: • "content" means any intellectually created work whose copyright is to be safeguarded.}

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

2. A. DEFINITIONS (new)

<u>Insert</u>:   The following <u>new</u> Definitions:

G06F 21/101

Definition statement

This place covers:

Different protection for each instance of software or content, e.g. creating hardware or user specific versions, binding software or content to specific terminals or devices.

G06F 21/1011

Definition statement

This place covers:

Binding licenses to one rendering device the user uses, e.g. mp3-player, computer or mobile phone.

G06F 21/1012

Definition statement

This place covers:

Binding licenses to a group or type of rendering devices the user uses, e.g. list, type or capabilities of devices, something the device belongs to.

G06F 21/1013

Definition statement

This place covers:

Binding licenses to a location.

G06F 21/1014

Definition statement

This place covers:

Binding licenses to something the user possesses, e.g. tokens, mobile phones, recording media or USB-sticks. The content can be transferred from one device to another.

Glossary of terms

In this place, the following terms or expressions *are used with the meaning indicated:*

Token	not rendering the content

G06F 21/1015

Definition statement

This place covers:

Binding the content to a user.

Binding licenses to characteristics of the user, e.g. biometrics, fingerprint, iris or behaviour.

Binding licenses to a group the user belongs to, e.g. domain, family, friends, university, library or company.

Binding licenses to something the user knows, e.g. a password.

G06F 21/1062

Definition statement

This place covers:

Editing or modifying the content by the user.

Modifying or creating licenses for e.g. re-distributing rights, adjustment to user-needs, license changes, also including shareware where the license is updated.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Personalisation of content	G06F 21/1063
Superdistribution of content	G06F 21/1086

G06F 21/1063

Definition statement

This place covers:

Converting content for different system requirements, e.g. different digital right management systems, less powerful devices, interoperability or compatibility.

User defined content, specifically created on user or business request.

Watermark identifying e.g. content, user or device.

Same copy for demo version or product version.

G06F 21/1064

Definition statement

This place covers:

Usage restrictions implemented at operating system level to prevent e.g. access to registers, clipboard or APIs.

G06F 21/1066

Definition statement

This place covers:

Hiding content, licenses or keys, e.g. inside the content, file systems, at operating system level or by obfuscating.

G06F 21/107

Definition statement

This place covers:

Techniques of key generation specifically designed for digital right management implementation.

Techniques of key distribution specifically designed for digital right management implementation.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Key distribution or management, e.g. generation, sharing or updating, of cryptographic keys or passwords	H04L 9/08

G06F 21/1073

Definition statement

This place covers:

Converting a license for e.g. different digital right management systems, languages, versions, user needs, less powerful devices, interoperability or compatibility.

Grace period, e.g. in offline systems the user should be able to continue for some time even if a license is expired.

Definition of rights, e.g. rights definition languages, grammar, syntax, semantics, graphical representations of rights, parsers or right consistency.

G06F 21/1076

Definition statement

This place covers:

Methods for revoking licenses, e.g. preventing licenses to be restored again from backup or looking after copies of the license to delete all instances of the license.

G06F 21/1077

Definition statement

This place covers:

Performing recurrent authorisation checks, not just at installation or loading time.

G06F 21/1078

Definition statement

This place covers:

Logging, metering or counting, e.g. copy, usage, play, transfer, move, delete, modification or time.

Note:

License logging also falls under this definition, because for logging a license is considered as content.

G06F 21/1079

Definition statement

This place covers:

The content or license is given back from the user or client, e.g. for floating licenses, check-in/check-out, or renting.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Arrangements for software licence management or administration	G06F 21/105

G06F 21/1082

Definition statement

This place covers:

Techniques for allowing, supporting or preventing backup or restore specifically designed for DRM.

G06F 21/1083

Definition statement

This place covers:

Transferring fragments of content/license for:

- Payment: shareware, part of the content/license is sent after payment.
- Optimisation: incremental, differential or update. The fragment alone is not sufficient for rendering.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Payment processing for DRM	G06Q 20/1235

G06F 21/1084

Definition statement

This place covers:

Third party with special digital right management aspects, e.g. third party generates and stores part of the key. The third party is not only transferring data.

G06F 21/1085

Definition statement

This place covers:

Digital right management systems especially adapted for content sharing, e.g. peer-to-peer solutions.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cryptographic mechanisms or cryptographic; Arrangements for secret or secure communications; Network security protocols	H04L 9/00
Network architectures or network communication protocols for network security	H04L 63/00
Network arrangements, protocols or services for supporting real-time applications in data packet communication	H04L 65/00
Network arrangements or protocols for supporting network services or applications	H04L 67/00

G06F 21/1086

Definition statement

This place covers:

Permitting further distribution of digital content, e.g. from user to user, but still maintaining some control over re-distributed copies.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

License editing	G06F 21/1062

G06F 21/1087

Definition statement

This place covers:

Synchronisation between:

- (License) servers: master/slave
- Local and distant licenses

Comprises also offline usage.

G06F 21/1088

Definition statement

This place covers:

Atomic transaction in which a series of operations either all occur, or all do not occur (wish of content owners).

G06F 21/109

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Restricting unauthorised execution of programs by using dedicated hardware	G06F 21/123

2. A. DEFINITIONS (modified)

G06F 21/10

Definition statement

Replace: The <u>first and third paragraphs</u> of the Definition statement text so that the entire text appears as follows:

Protecting software against unauthorised usage in a vending or licensing environment, e.g. protecting the software provider's copyright. The protection is generic, i.e. not specific to the type of content.

Protecting data in an environment substantially outside the data owner's control (or in a hostile environment). The term "hostile environment" means data and operational environment of the data are controlled by different entities.

Example: hostile environment: Financial Times [FT] has a server where users who pay get a key that enables locally stored encrypted FT-newspaper-articles to be decrypted and read. The articles are in a hostile environment, the computer of the user, where FT has limited or no influence, therefore the article needs to be protected from the user, in this case by encryption.

References

Limiting references

Replace: The existing Limiting references table with the following revised table:

Protection in video systems or pay television	H04N 7/16

Informative references

Replace: The existing Informative references table with the following revised table:

Preventing unauthorized non-electronic copying	G03G 21/04
If protection is restricted to techniques specific to executables	G06F 21/12

Protecting data in an environment substantially within the data owner's control (or in a non-hostile environment)	G06F 21/60
Games systems, i.e. specific solutions for security of games	G06F 2221/2109
Chip on media	G06F 2221/2121
Commerce, e.g. marketing, shopping, billing, auctions or e-commerce	G06Q 30/00
Business processing related to protecting distributed files or licensing	G06Q 2220/10 - G06Q 2220/18
Image watermarking when the watermarking itself is concerned	G06T 1/0021
Preventing of unauthorized reproduction or copying of media	G11B 20/00086
Preventing unauthorized electronic reproduction of physical documents	H04N 1/00838
Digital watermarking on images when the watermarking itself is concerned	H04N 1/32144
Protecting content in television systems	H04N 21/00

Delete: The entire Special rules of classification section.

G06F 21/105

Definition statement

Replace: The existing Definition statement text with the following revised text:

Examples: Managing floating licenses to protect against unauthorized usage of distributed programs or content.

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
G06F 2221/07			Delete the entire Definition.
G06F 2221/0704			Delete the entire Definition.
G06F 2221/0706			Delete the entire Definition.
G06F 2221/0708			Delete the entire Definition.
G06F 2221/0711			Delete the entire Definition.
G06F 2221/0713			Delete the entire Definition.
G06F 2221/0715			Delete the entire Definition.
G06F 2221/0717			Delete the entire Definition.
G06F 2221/072			Delete the entire Definition.
G06F 2221/0724			Delete the entire Definition.
G06F 2221/0728			Delete the entire Definition.
G06F 2221/0731			Delete the entire Definition.
G06F 2221/0733			Delete the entire Definition.
G06F 2221/0735			Delete the entire Definition.
G06F 2221/0737			Delete the entire Definition.
G06F 2221/074			Delete the entire Definition.
G06F 2221/0742			Delete the entire Definition.
G06F 2221/0744			Delete the entire Definition.
G06F 2221/0746			Delete the entire Definition.
G06F 2221/0748			Delete the entire Definition.
G06F 2221/0753			Delete the entire Definition.
G06F 2221/0755			Delete the entire Definition.
G06F 2221/0759			Delete the entire Definition.

G06F 2221/0764			Delete the entire Definition.
G06F 2221/0766			Delete the entire Definition.
G06F 2221/0768			Delete the entire Definition.
G06F 2221/0771			Delete the entire Definition.
G06F 2221/0773			Delete the entire Definition.
G06F 2221/0775			Delete the entire Definition.
G06F 2221/0777			Delete the entire Definition.
G06F 2221/0782			Delete the entire Definition.
G06F 2221/0784			Delete the entire Definition.
G06F 2221/0786			Delete the entire Definition.
G06F 2221/0788			Delete the entire Definition.
G06F 2221/0791			Delete the entire Definition.
G06F 2221/0793			Delete the entire Definition.
G06F 2221/0795			Delete the entire Definition.
G06F 2221/0797			Delete the entire Definition.

Notes:
Use this Definitions Quick Fix (DQF) table to:

- Delete an entire definition
- Delete an entire section
- Change a reference symbol
- Delete a reference symbol
- Delete text in a References section
- Correct one error in spelling, article use, or verb tense

Otherwise, use the standard template.

Reminder: Never delete F symbol definitions.

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	G06F 21/10	G06F 21/10, G06F 21/101, G06F 21/1011, G06F 21/1012, G06F 21/1013, G06F 21/1014, G06F 21/1015, G06F 21/106, G06F 21/1062, G06F 21/1063, G06F 21/1064, G06F 21/1065, G06F 21/1066, G06F 21/107, G06F 21/1073, G06F 21/1074, G06F 21/1075, G06F 21/1076, G06F 21/1077, G06F 21/1078, G06F 21/1079, G06F 21/108, G06F 21/1082, G06F 21/1083, G06F 21/1084, G06F 21/1085, G06F 21/1086, G06F 21/1087, G06F 21/1088, G06F 21/109
D	G06F 2221/07	<administrative transfer to G06F 21/10 INV>
D	G06F 2221/0702	<administrative transfer to G06F 21/101 INV>
D	G06F 2221/0704	<administrative transfer to G06F 21/1011 INV>
D	G06F 2221/0706	<administrative transfer to G06F 21/1012 INV>
D	G06F 2221/0708	<administrative transfer to G06F 21/1013 INV>
D	G06F 2221/0711	<administrative transfer to G06F 21/1014 INV>
D	G06F 2221/0713	<administrative transfer to G06F 21/1015 INV>
D	G06F 2221/0715	<administrative transfer to G06F 21/1015 INV>
D	G06F 2221/0717	<administrative transfer to G06F 21/1012 INV and G06F 21/1015 INV simultaneously>
D	G06F 2221/072	<administrative transfer to G06F 21/1015 INV>
D	G06F 2221/0722	<administrative transfer to G06F 21/106 INV>
D	G06F 2221/0724	<administrative transfer to G06F 21/1062 INV>
D	G06F 2221/0726	<administrative transfer to G06F 21/1063 INV>
D	G06F 2221/0728	<administrative transfer to G06F 21/1063 INV>
D	G06F 2221/0731	<administrative transfer to G06F 21/1063 INV>
D	G06F 2221/0733	<administrative transfer to G06F 21/1063 INV>
D	G06F 2221/0735	<administrative transfer to G06F 21/1064 INV>
D	G06F 2221/0737	<administrative transfer to G06F 21/16 INV>
D	G06F 2221/074	<administrative transfer to G06F 21/16 INV>

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G06F 2221/0742	<administrative transfer to G06F 21/1063 INV>
D	G06F 2221/0744	<administrative transfer to G06F 21/101 INV>
D	G06F 2221/0746	<administrative transfer to G06F 21/10 INV>
D	G06F 2221/0748	<administrative transfer to G06F 21/1066 INV>
D	G06F 2221/0751	<administrative transfer to G06F 21/107 INV>
D	G06F 2221/0753	<administrative transfer to G06F 21/107 INV>
D	G06F 2221/0755	<administrative transfer to G06F 21/107 INV>
D	G06F 2221/0757	<administrative transfer to G06F 21/107 INV>
D	G06F 2221/0759	<administrative transfer to G06F 21/1073 INV>
D	G06F 2221/0762	<administrative transfer to G06F 21/1074 INV>
D	G06F 2221/0764	<administrative transfer to G06F 21/1073 INV>
D	G06F 2221/0766	<administrative transfer to G06F 21/1073 INV>
D	G06F 2221/0768	<administrative transfer to G06F 21/1075 INV>
D	G06F 2221/0771	<administrative transfer to G06F 21/1076 INV>
D	G06F 2221/0773	<administrative transfer to G06F 21/1077 INV>
D	G06F 2221/0775	<administrative transfer to G06F 21/1078 INV>
D	G06F 2221/0777	<administrative transfer to G06F 21/1079 INV>
D	G06F 2221/0779	<administrative transfer to G06F 21/108 INV>
D	G06F 2221/0782	<administrative transfer to G06F 21/1082 INV>
D	G06F 2221/0784	<administrative transfer to G06F 21/1083 INV>
D	G06F 2221/0786	<administrative transfer to G06F 21/1084 INV>
D	G06F 2221/0788	<administrative transfer to G06F 21/1085 INV>
D	G06F 2221/0791	<administrative transfer to G06F 21/1086 INV>
D	G06F 2221/0793	<administrative transfer to G06F 21/1087 INV>
D	G06F 2221/0795	<administrative transfer to G06F 21/1088 INV>
D	G06F 2221/0797	<administrative transfer to G06F 21/109 INV>

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents

into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the "To" column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: "< administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY, ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("To") symbol, however it is required to specify "<no transfer>" in the "To" column for such cases.
- RCL is not needed for finalisation projects.

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

CPC	**IPC**	**Action***
G06F 21/101	G06F 21/10	NEW
G06F 21/1011	G06F 21/10	NEW
G06F 21/1012	G06F 21/10	NEW
G06F 21/1013	G06F 21/10	NEW
G06F 21/1014	G06F 21/10	NEW
G06F 21/1015	G06F 21/10	NEW
G06F 21/106	G06F 21/10	NEW
G06F 21/1062	G06F 21/10	NEW
G06F 21/1063	G06F 21/10	NEW
G06F 21/1064	G06F 21/10	NEW
G06F 21/1065	G06F 21/10	NEW
G06F 21/1066	G06F 21/10	NEW
G06F 21/107	G06F 21/10	NEW
G06F 21/1073	G06F 21/10	NEW
G06F 21/1074	G06F 21/10	NEW
G06F 21/1075	G06F 21/10	NEW
G06F 21/1076	G06F 21/10	NEW
G06F 21/1077	G06F 21/10	NEW
G06F 21/1078	G06F 21/10	NEW
G06F 21/1079	G06F 21/10	NEW
G06F 21/108	G06F 21/10	NEW
G06F 21/1082	G06F 21/10	NEW
G06F 21/1083	G06F 21/10	NEW
G06F 21/1084	G06F 21/10	NEW
G06F 21/1085	G06F 21/10	NEW

CPC	IPC	Action*
G06F 21/1086	G06F 21/10	NEW
G06F 21/1087	G06F 21/10	NEW
G06F 21/1088	G06F 21/10	NEW
G06F 21/109	G06F 21/10	NEW
G06F 2221/07		DELETE
G06F 2221/0702		DELETE
G06F 2221/0704		DELETE
G06F 2221/0706		DELETE
G06F 2221/0708		DELETE
G06F 2221/0711		DELETE
G06F 2221/0713		DELETE
G06F 2221/0715		DELETE
G06F 2221/0717		DELETE
G06F 2221/072		DELETE
G06F 2221/0722		DELETE
G06F 2221/0724		DELETE
G06F 2221/0726		DELETE
G06F 2221/0728		DELETE
G06F 2221/0731		DELETE
G06F 2221/0733		DELETE
G06F 2221/0735		DELETE
G06F 2221/0737		DELETE
G06F 2221/074		DELETE
G06F 2221/0742		DELETE
G06F 2221/0744		DELETE
G06F 2221/0746		DELETE
G06F 2221/0748		DELETE
G06F 2221/0751		DELETE

CPC	IPC	Action*
G06F 2221/0753		DELETE
G06F 2221/0755		DELETE
G06F 2221/0757		DELETE
G06F 2221/0759		DELETE
G06F 2221/0762		DELETE
G06F 2221/0764		DELETE
G06F 2221/0766		DELETE
G06F 2221/0768		DELETE
G06F 2221/0771		DELETE
G06F 2221/0773		DELETE
G06F 2221/0775		DELETE
G06F 2221/0777		DELETE
G06F 2221/0779		DELETE
G06F 2221/0782		DELETE
G06F 2221/0784		DELETE
G06F 2221/0786		DELETE
G06F 2221/0788		DELETE
G06F 2221/0791		DELETE
G06F 2221/0793		DELETE
G06F 2221/0795		DELETE
G06F 2221/0797		DELETE

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with "NEW."
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with "UPDATED."
- For a (D) CPC entry or indexing entry complete the Action column with "DELETE." IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with "NEW".
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with "CPCONLY" and complete the action column with "NEW".

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NOTES:

- F symbols are <u>not</u> included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G06F 21/12	G06F 21/10	Limiting references	Delete the entire Limiting references section.
G06F 21/123	G06F 2221/0797	Limiting references	Delete the entire Limiting references section.
G06F 21/60	G06F 21/10	Limiting references	Delete the entire Limiting references section.
G06F 2221/21	G06F 2221/07	Special rules of classification	Delete the entire line of text starting with G06F 2221/07.
G06F 2221/2135	G06F 2221/0775	Limiting references	Delete the entire Limiting references section.
G06F 2221/2139	G06F 2221/0773	Limiting references	Delete the entire Limiting references section.

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions inside the project scope will be reflected in the "scheme change" template or one of the "definition" templates.
- In addition to other changes proposed in the tables above, in the column titled "Referenced subclass or group to be changed," **referenced** D symbols should indicate an action of "delete" or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.