

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1508

DATE: AUGUST 1, 2023

PROJECT MP11965

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

<b><u>Action</u></b>	<b><u>Subclass</u></b>	<b><u>Group(s)</u></b>
<b>SCHEME:</b>		
Titles Changed:	B41J	2/125, 2002/14193, 2002/14338, 2002/14419, 2002/14483, 2002/14491, 2/1621, 2/16517, 2/17, 2/2107, 2/2128, 2/2135, 2/2139, 2/2142, 2/505, 2/5056
	B41J	3/36, 3/407, 3/4075, 3/4076, 3/4078
	B41J	5/102
	B41J	7/005
	B41J	11/0035, 11/009, 11/485
	B41J	13/0018, 13/0027, 13/0036, 13/0045, 13/0063
	B41J	19/00
	B41J	25/001, 25/003, 25/304
	B41J	29/023
	B41J	33/003
	B41J	2202/15
Warnings Deleted:	B41J	SUBCLASS
<b>DEFINITIONS:</b>		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	B41J	2/16511, 2/2139, 2/2142, 2/5052
	B41J	3/365, 3/4073
	B41J	7/24
	B41J	11/0045, 11/0085, 11/053
Definitions New:	B41J	2002/14193, 2002/14338, 2002/14419, 2002/14483, 2002/14491, 2/44, 2/5056
	B41J	5/102
	B41J	29/023
	B41J	2202/15
Definitions Modified:	B41J	2/04, 2/125, 2/16, 2/1601, 2/1607, 2/1621, 2/16517, 2/16535, 2/16552, 2/16579, 2/2054, 2/2107, 2/2114, 2/2132, 2/2135, 2/42, 2/471, 2/475, 2/4753, 2/505, 2/5054, 2/51
	B41J	3/407
	B41J	7/005
	B41J	11/0035, 11/51
	B41J	13/00, 13/0027, 13/0036, 13/0045, 13/0063, 13/12

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	B41J	19/00
	B41J	21/08
	B41J	25/001, 25/003, 25/304
	B41J	29/17
	B41J	33/003
	B41J	35/22

**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)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS B41J-TYPEWRITERS; SELECTIVE PRINTING MECHANISMS, {e.g. INK-JET PRINTERS, THERMAL PRINTERS}, i.e. MECHANISMS PRINTING OTHERWISE THAN FROM A FORME; CORRECTION OF TYPOGRAPHICAL ERRORS**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B41J 2/125	4	Sensors, e.g. deflection sensors {(nozzle clogging detection for cleaning reasons B41J 2/16579; detection for compensation for failed nozzles B41J 2/2139)}	
M	B41J 2002/14193	5	{movable member in the ink chamber}	
M	B41J 2002/14338	5	{Multiple pressure elements per ink chamber}	
M	B41J 2002/14419	5	{Manifold}	
M	B41J 2002/14483	5	{Separated pressure chamber}	
M	B41J 2002/14491	5	{Electrical connection}	
M	B41J 2/1621	5	{Manufacturing processes}	
M	B41J 2/16517	5	{Cleaning of print head nozzles (B41J 2/16505, B41J 2/1707 take precedence)}	
M	B41J 2/17	3	characterised by ink handling {(cleaning by driving a fluid through the nozzles to the outside thereof B41J 2/1652; for treating before, during or after printing or for uniform coating or laminating the copy material before or after printing B41J 11/0015)}	
M	B41J 2/2107	4	{characterised by the ink properties (supplying ink in a solid state B41J 2/17593)}	
M	B41J 2/2128	5	{by means of energy modulation (control methods or devices therefor, e.g. driver circuits or control circuits B41J 2/04501)}	
M	B41J 2/2135	5	{Alignment of dots}	
M	B41J 2/2139	5	{Compensation for malfunctioning nozzles creating dot place or dot size errors (generating single droplets or particles on demand by pressure, e.g. electromechanical transducers B41J 2/045)}	
M	B41J 2/2142	5	{Detection of malfunctioning nozzles (generating single droplets or particles on demand by pressure, e.g. electromechanical transducers B41J 2/045, B41J 2/05; jet deflection sensors B41J 2/125; for cleaning purposes B41J 2/16579)}	
M	B41J 2/505	2	from an assembly of identical printing elements	

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M	B41J 2/5056	3	{using dot arrays providing selective dot disposition modes, e.g. different dot densities for high speed and high-quality printing, array line selections for multi-pass printing, or dot shifts for character inclination (B41J 2/2132 takes precedence)}	
M	B41J 3/36	1	for portability {, i.e. hand-held printers or laptop printers (B41J 3/4075 takes precedence)}	
M	B41J 3/407	1	for marking on special material	
M	B41J 3/4075	2	{Tape printers; Label printers}	
M	B41J 3/4076	2	{printing on rewritable, bistable "electronic paper" by a focused electric or magnetic field}	
M	B41J 3/4078	2	{Printing on textile}	
M	B41J 5/102	3	{Keyboard overlays}	
M	B41J 7/005	1	{Type-selecting actions or mechanisms by unusual means, e.g. for use by physically disabled persons}	
M	B41J 11/0035	1	{Handling copy materials differing in thickness (B41J 11/20 takes precedence)}	
M	B41J 11/009	1	{Detecting type of paper, e.g. by automatic reading of a code that is printed on a paper package or on a paper roll or by sensing the grade of translucency of the paper}	
M	B41J 11/485	2	{Means for selecting a type of copy material amongst different types of copy material in the printing apparatus}	
M	B41J 13/0018	2	{in the sheet input section of automatic paper handling systems}	
M	B41J 13/0027	2	{in the printing section of automatic paper handling systems}	
M	B41J 13/0036	2	{in the output section of automatic paper handling systems}	
M	B41J 13/0045	2	{concerning sheet refeed sections of automatic paper handling systems, e.g. intermediate stackers (printing on both faces B41J 3/60)}	
M	B41J 13/0063	1	{Handling thick cut sheets, e.g. greeting cards or postcards, larger than credit cards, e.g. using means for enabling or facilitating the conveyance of thick sheets (B41J 11/20, B41J 13/12 take precedence)}	
M	B41J 19/00	0	Character- or line-spacing mechanisms	
M	B41J 25/001	1	{Mechanisms for bodily moving print heads or carriages parallel to the paper surface}	
M	B41J 25/003	2	{for changing the angle between a print element array axis and the printing line, e.g. for dot density changes}	
M	B41J 25/304	1	Bodily-movable mechanisms for print heads or carriages movable towards or from paper surface	
M	B41J 29/023	2	{with reduced dimensions}	
M	B41J 33/003	1	{Ribbon spools}	

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M	B41J 2202/15	2	Moving nozzle or nozzle plate	
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\*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 finalization 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.

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B. New, Modified or Deleted Warning(s)

**SUBCLASS B41J-TYPEWRITERS; SELECTIVE PRINTING MECHANISMS, {e.g. INK-JET PRINTERS, THERMAL PRINTERS}, i.e. MECHANISMS PRINTING OTHERWISE THAN FROM A FORME; CORRECTION OF TYPOGRAPHICAL ERRORS**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning</u>
D	B41J	{In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.}	Delete entire warning

\*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.

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## 2. A. DEFINITIONS (new)

Insert: The following new Definitions.

### B41J 2002/14193

#### References

#### *Informative References*

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

Movable member in the pressure chamber of bubble jet print heads	<a href="#">B41J 2/14048</a>
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### B41J 2002/14338

#### References

#### *Informative References*

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

Plural heating elements per ink chamber in bubble jet print heads	<a href="#">B41J 2/14056</a>
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### B41J 2002/14419

#### References

#### *Informative References*

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

Structure of the manifold of bubble jet print heads	<a href="#">B41J 2/14145</a>
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## **B41J 2002/14483**

### **References**

#### ***Informative References***

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

Heater chamber separated from ink chamber by a membrane in bubble jet print heads	<a href="#">B41J 2/14064</a>
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## **B41J 2002/14491**

### **References**

#### ***Informative References***

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

Electrical connections of bubble jet print heads	<a href="#">B41J 2/14072</a>
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## **B41J 2/44**

### **References**

#### ***Limiting references***

*This place does not cover:*

Characterised by selective application of radiation to a printing material or impression-transfer material for heating selectively by radiation or ultrasonic waves	<a href="#">B41J 2/475</a>
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#### ***Informative References***

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



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Characterised by selective application of radiation to a printing material or impression-transfer material using masks, e.g. light-switching masks	<a href="#">B41J 2/465</a>
Characterised by selective application of radiation to a printing material or impression-transfer material using the combination of scanning and modulation of light	<a href="#">B41J 2/47</a>

**B41J 2/5056****References*****Limiting references****This place does not cover:*

Print quality control characterised by dot disposition, e.g. for reducing white stripes or banding	<a href="#">B41J 2/2132</a>
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***Informative References****Attention is drawn to the following places, which may be of interest for search:*

For changing the angle between a print element array axis and the printing line, e.g. for dot density changes	<a href="#">B41J 25/003</a>
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**B41J 5/102****References*****Informative References****Attention is drawn to the following places, which may be of interest for search:*

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For computer use	<a href="#">G06F 3/023</a>
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## **B41J 29/023**

### **References**

#### ***Informative References***

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

Typewriters or selective printing or marking mechanisms constructed for portability	<a href="#">B41J 3/36</a>
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## **B41J 2202/15**

### **References**

#### ***Informative References***

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

For moving nozzle or nozzle plate made of thermal bend actuator	<a href="#">B41J 2002/14435</a>
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## 2. A. DEFINITIONS (modified)

### B41J 2/04

Delete: The following sentence from the Definition Statement.

[B41J 2/14](#) takes precedence.

### B41J 2/125

Insert: A period at the end of both sentences in the Definition Statement.

Insert: The following revised Limiting references table.

Nozzle clogging detection for cleaning reasons	<a href="#">B41J 2/16579</a>
Detection for compensation for failed nozzle	<a href="#">B41J 2/2139</a>

### B41J 2/16

#### Definition Statement

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

Production of on-demand inkjet heads.

#### Special rules of classification

Replace: The existing text of the Special rules of classification section with the following revised text:

This group is used when the type of head manufactured, e.g. bubble-jet or piezo, is not known or when no specific sub-group exists for said type. For instance, acoustic heads or heads which work by lowering the surface tension of the meniscus.

This group does not cover manufacturing of heads in which an electric field causes the ejection of ink directly, and without involvement of a membrane, nor manufacturing of continuous inkjet heads.

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When classifying a manufacturing method, at least one classification should always be given for the type of head being manufactured, i.e. [B41J 2/16](#) - [B41J 2/162](#) or [B41J 2/1648](#). A classification for each used manufacturing process [B41J 2/1623](#) - [B41J 2/1646](#) should be given.

**B41J 2/1601**

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

This group is used for bubble-jet heads when it is neither front shooter nor edge shooter, i.e. it is used when orientation is unknown or for back shooters.

Insert: The following new References section.

**References*****Limiting references***

*This place does not cover:*

Coating the nozzle area or the ink chamber	<a href="#">B41J 2/1606</a>
Manufacturing of the nozzle plates	<a href="#">B41J 2/162</a>

**B41J 2/1607**

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

This sub-group is used when the type of piezo electric head being manufactured is not defined.

Insert: The following new References section.

**References*****Limiting references***

*This place does not cover:*

Coating the nozzle area or the ink chamber	<a href="#">B41J 2/1606</a>
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Manufacturing of the nozzle plates	<a href="#">B41J 2/162</a>
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**B41J 2/1621**

Delete: The entire Definition statement.

Replace: The existing text of the Special rules of classification section with the following revised text:

When classifying a manufacturing method, at least one class should always be given for the type of head being manufactured, i.e. [B41J 2/16](#) - [B41J 2/162](#) or [B41J 2/1648](#). A classification for each used manufacturing process from [B41J 2/1623](#) - [B41J 2/1646](#) should be given.

**B41J 2/16517****References**

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

Caps	<a href="#">B41J 2/16505</a>
Cleaning of the ink supply system	<a href="#">B41J 2/1707</a>

Insert: The following new Informative references section:

***Informative references***

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

For monitoring ink quality	<a href="#">B41J 2/195</a>
Waste ink/suction circuits	<a href="#">B41J 2/16523</a>
Line or stationary printers	<a href="#">B41J 2/16585</a>
Cleaning of printhead parts not dealing with the nozzle plate	<a href="#">B41J 2/1714</a>
Waste ink collection tanks	<a href="#">B41J 2/1721</a>

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**B41J 2/16535****References**Replace: The existing Limiting references table with the following revised table:

Using cleaning fluids	<a href="#">B41J 2/16552</a>
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Insert: The following new Informative references section:***Informative references****Attention is drawn to the following places, which may be of interest for search:*

Means to remove deposits from wipers or scrapers	<a href="#">B41J 2/16541</a>
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Delete: The entire Special rules of classification section.**B41J 2/16552****References**Delete: The entire Limiting references section.Insert: The following new Informative references section:***Informative references****Attention is drawn to the following places, which may be of interest for search:*

Detergent compositions based essentially on surface-active compounds; Use of these compounds as a detergent	<a href="#">C11D 1/00</a>
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**Glossary of terms**Delete: The period at the end of the definition sentence for “Wipers”

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**B41J 2/16579**

**References**

Delete: The entire Limiting references section.

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

Detecting failure, e.g. clogging or malfunctioning actuator	<a href="#">B41J 2/0451</a>
Compensation for malfunctioning nozzles creating dot place or dot size errors	<a href="#">B41J 2/2139</a>
Detection of malfunctioning nozzles	<a href="#">B41J 2/2142</a>
For monitoring ink quality	<a href="#">B41J 2/195</a>

**B41J 2/2054**

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

***Informative references***

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

Halftoning by dithering dots of different colour within a pixel	<a href="#">B41J 2/2132</a>
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**B41J 2/2107**

**References**

Delete: The second row of the Limiting references table, "Ink Compositions."

Insert: The following new Informative references section:

***Informative references***

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

Ink compositions	<a href="#">C09D 11/30</a>
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#### **B41J 2/2114**

Insert: The following new References section:

##### **References**

##### ***Limiting references***

*This place does not cover:*

Mixing of inks, solvent or air prior to paper contact	<a href="#">B41J 2/211</a>
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Delete: The entire Special rules of classification section.

#### **B41J 2/2132**

##### **References**

Delete: The bottom row of the Limiting references table, "Error diffusion."

Delete: The entire Informative references section.

#### **B41J 2/2135**

##### **Definition statement**

Insert: An "s" and a period at the end of the second sentence of the Definition statement so that the revised text is "test patterns."

##### **References**

Delete: The entire Limiting references section.

Insert: The following row to the top of the Informative references table.



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Mechanical adjustment	B41J 25/001, B41J 25/304, B41J 25/34
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## B41J 2/42

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

#### *Informative references*

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

Printing by contacting a printing medium by heated electrodes	B41J 2/32
Printing by heating through selective radiation	B41J 2/475

## B41J 2/471

### Definition statement

Replace: The existing text of the Definition statement (which is both above and below the image) with the following revised text placed above the image:

A modulated light beam from, e.g., a laser diode array is directed to a rotating mirror. From there the light beam is directed through a lens and is moved (scanned) over a medium, e.g. an electrically chargeable drum.

Illustrative example of the subject matter classified in this subgroup:

A rotating polygonal scanning mirror for moving (scanning) a laser light beam over an imaging drum.

### References

Delete: The entire Limiting references section.

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Insert: The following row to the bottom of the Informative references section

Printer aspects other than the print head, e.g. toner powder subjects	<a href="#">G03G</a>
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## B41J 2/475

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

#### *Informative references*

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

Thermal heads using heated electrodes contacting the material to be treated	<a href="#">B41J 2/32</a>
By an electrical current between head and printing medium	<a href="#">B41J 2/42</a>

## B41J 2/4753

### Definition statement

Insert: A period at the end of the Definition statement.

### References

Delete: The entire Limiting references section.

Insert: The following Informative references section:

#### *Informative references*

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

Erasing by a thermal head by contacting the print media	<a href="#">B41J 2/315</a>
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Erasing by an electric or magnetic field	<a href="#">B41J 3/4076</a>
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**B41J 2/505****References**

Delete: The entire Limiting references section.

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

Ink-jet subjects not having resolution change	<a href="#">B41J 2/2103 - B41J 2/215</a>
With multiple print heads of different type	<a href="#">B41J 3/546</a>
Arrangements for producing a permanent visual presentation of the digital output data using matrix printers, e.g. individual print element control for printing letters	<a href="#">G06K 15/10</a>

**B41J 2/5054**

Insert: The following new References section:

**References*****Limiting references***

*This place does not cover:*

Multi-colour printing characterised by dot size, e.g. combinations of printed dots of different diameter	<a href="#">B41J 2/2121</a>
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**B41J 2/51****Definition statement**

Replace: The existing text with the following revised text:

Printers with a print head reciprocating over the material to be printed in order to print a single line or swath, e.g. geometry aspects as columns/rows of print

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elements (monochrome) or functional aspects as inclination of characters (matrix printers).

## References

Delete: The entire Limiting references section.

Insert: The following row at the bottom of the existing Informative references table:

Movements parallel to the plane of printing other than reciprocating	<a href="#">B41J 25/003</a> , <a href="#">B41J 25/005</a>
--	--

Delete: The periods at the end of the sentences in the Glossary of terms section.

## B41J 3/407

### References

Delete: The entire Limiting references section.

Insert: The following new Application-oriented references section:

#### ***Application-oriented references***

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

Apparatus or processes for manufacturing printed circuits by printing or dispensing a conductive paste or ink	<a href="#">H05K 3/1241</a>
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## B41J 7/005

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

#### ***Informative references***

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

Control means for physically disabled persons in general	<a href="#">A61F 4/00</a>
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## **B41J 11/0035**

### **References**

Delete: The second (bottom) row of the Limiting References table.

Insert: The following new Informative references section:

#### ***Informative references***

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

Movable mechanisms for print heads with print gap adjustment mechanisms	<a href="#">B41J 25/308</a>
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## **B41J 11/51**

### **References**

Replace: The word “apparauts” with “apparatus” in the second row of the Informative references table.

## **B41J 13/00**

### **Definition statement**

Insert: A period at the end of the Definition statement sentence.

Replace: The existing Relationships with other classification section with the following revised section:

#### **Relationships with other classification places**

Hierarchical relationship between [B65H](#), [H04N](#), [B41J](#) and [G03G](#):

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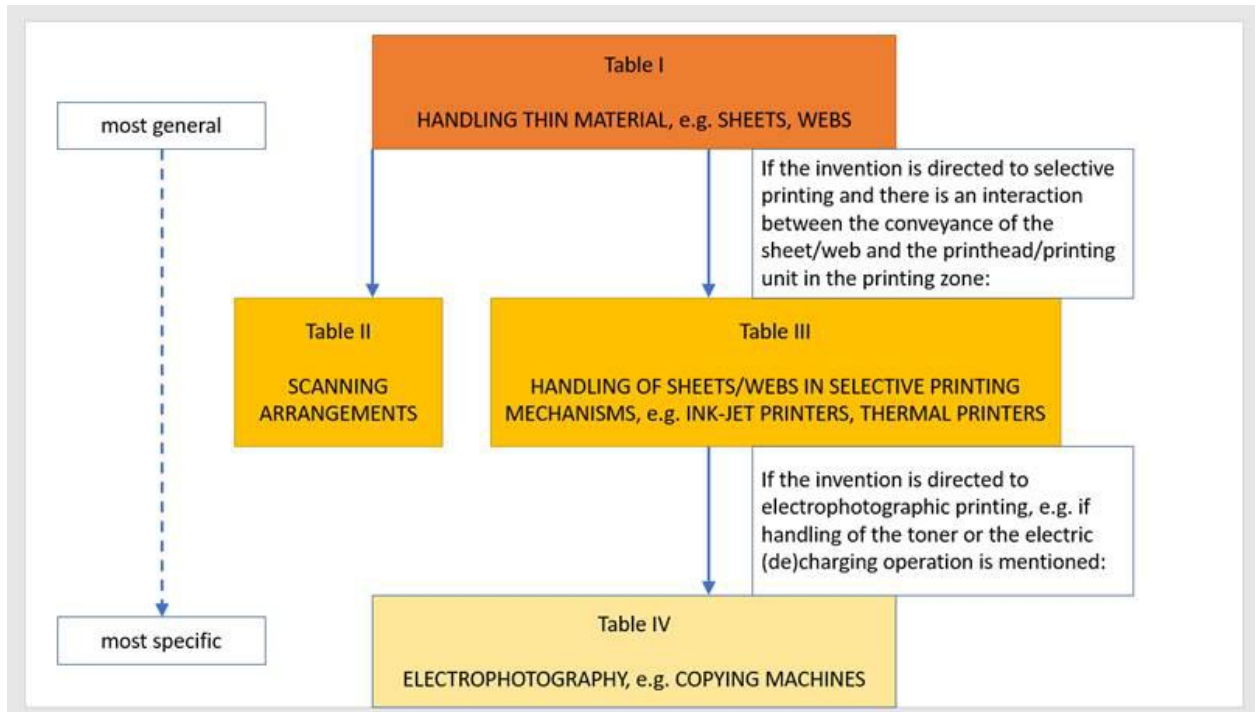


Table #	CPC Area	Description
Table I	<a href="#">B65H</a>	Handling thin or filamentary material, e.g. sheets, webs, cables
Table II	<a href="#">H04N 1/04</a>	Scanning arrangements, i.e. arrangements for the displacement of active reading or reproducing elements relative to the original or reproducing medium, or vice versa
Table III	<a href="#">B41J 11/00</a>	Devices or arrangements of selective printing mechanisms, e.g. ink-jet printers or thermal printers, for supporting or handling copy material in sheet or web form
(same as above)	<a href="#">B41J 13/00</a>	Devices or arrangements of selective printing mechanisms, e.g. ink-jet printers or thermal printers, specially adapted for supporting or handling copy material in short lengths, e.g. sheets
(same as above)	<a href="#">B41J 15/00</a>	Devices or arrangements of selective printing mechanisms, e.g. ink-jet printers or thermal printers, specially adapted for supporting or handling copy material in continuous form, e.g. webs
Table IV	<a href="#">G03G 15/00</a>	Apparatus for electrographic processes using a charge pattern

Delimitation of [B41J 13/00](#) to [B65H](#)

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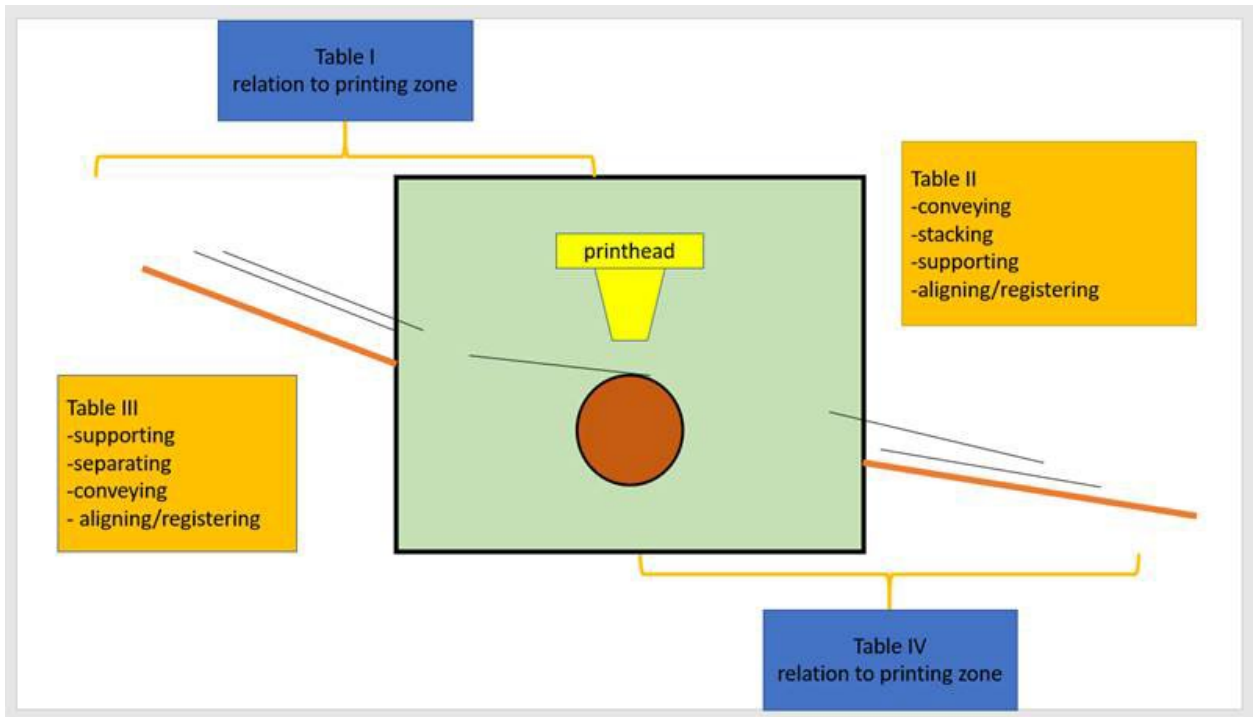


Table #	CPC Area	Description
Table I	<a href="#">B41J 13/00</a>	Devices or arrangements of selective printing mechanisms, e.g. ink-jet printers or thermal printers, specially adapted for supporting or handling copy material in short lengths, e.g. sheets
Table II	<a href="#">B65H</a>	Handling thin or filamentary material, e.g. sheets, webs, cables
Table III	<a href="#">B65H</a>	Handling thin or filamentary material, e.g. sheets, webs, cables
Table IV	<a href="#">B41J 13/00</a>	Devices or arrangements of selective printing mechanisms, e.g. ink-jet printers or thermal printers, specially adapted for supporting or handling copy material in short lengths, e.g. sheets

**B41J 13/0027**

**References**

Insert: The following new row at the top of the existing Informative references table:

Rollers	<a href="#">B41J 13/02</a>
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### **B41J 13/0036**

#### **References**

Insert: The following new row at the top of the existing Informative references table:

Rollers	<a href="#">B41J 13/02</a>
---------	----------------------------

### **B41J 13/0045**

#### **References**

Insert: The following new Limiting references section:

#### ***Limiting references***

*This place does not cover:*

Printing on both faces	<a href="#">B41J 3/60</a>
------------------------	---------------------------

Delete: The entire Informative references section.

### **B41J 13/0063**

#### **References**

Delete: The third (bottom) row of the Limiting references table.

Insert: The following new Informative references section:

#### ***Informative references***

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

Adjustment by moving the print head	<a href="#">B41J 25/308</a>
-------------------------------------	-----------------------------

### **B41J 13/12**

Insert: The following Synonyms and Keywords section:



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### **Synonyms and Keywords**

In patent documents, the following words/expressions are often used as synonyms:

"visiting cards" and "business cards"

### **B41J 19/00**

#### **References**

Delete: The entire Limiting references section.

Insert: The following new row to the top of the Informative references table:

Superimposed movements for serial printing	<a href="#">B41J 25/005</a>
--	-----------------------------

### **Synonyms and Keywords**

Replace: The bullet point text in the Synonyms and Keywords section with the following revised text:

- "print head-carrier," "print head-shuttle" or "print head-carriage"

### **B41J 21/08**

#### **References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

#### ***Informative references***

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

Adjusting side margins for type-writers	<a href="#">B41J 29/50</a>
---	----------------------------

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## **B41J 25/001**

### **References**

Delete: The entire Limiting references section.

Insert: The following new References out of a residual place section:

#### ***References out of a residual place:***

*Examples of places in relation to which this place is residual:*

Character- or line-spacing mechanisms	<a href="#">B41J 19/00</a> , <a href="#">B41J 19/20</a>
---------------------------------------	---

## **B41J 25/003**

Insert: The following new References section:

### **References**

#### ***References out of a residual place***

Examples of places in relation to which this place is residual:

Dot arrays providing selective dot disposition modes	<a href="#">B41J 2/5056</a>
--	-----------------------------

## **B41J 25/304**

### **References**

Delete: The entire Limiting references section.

Insert: The following new row at the bottom of the References out of a residual place table.

Line print heads movable towards a cleaning unit	<a href="#">B41J 2/16588</a>
--	------------------------------

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## **B41J 29/17**

### **References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

#### ***Informative references***

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

Cleaning of nozzles	<a href="#">B41J 2/165</a>
Conditioning of ink supply systems (inside/outside)	<a href="#">B41J 2/1707</a> , <a href="#">B41J 2/1714</a>

## **B41J 33/003**

### **References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

#### ***Informative references***

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

For page width ink ribbons	<a href="#">B41J 17/32</a>
Spools in general	<a href="#">B65H 75/00</a>

## **B41J 35/22**

### **References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

#### ***Informative references***

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

Ribbons placed on separate holders	<a href="#">B41J 33/06</a>
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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
B41J 2/16511			Delete entire definition
B41J 2/2139			Delete entire definition
B41J 2/2142			Delete entire definition
B41J 2/5052			Delete entire definition
B41J 3/365			Delete entire definition
B41J 3/4073			Delete entire definition
B41J 7/24			Delete entire definition
B41J 11/0045			Delete entire definition
B41J 11/0085			Delete entire definition
B41J 11/053			Delete entire definition

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.