### CPC - 2023.08

#### COOPERATIVE PATENT CLASSIFICATION

**B**

**PERFORMING OPERATIONS; TRANSPORTING**

*(NOTES omitted)*

**PRINTING**

**B43**

**WRITING OR DRAWING IMPLEMENTS; BUREAU ACCESSORIES**

**B43K**

**IMPLEMENTS FOR WRITING OR DRAWING** (containers, casings or accessories for cosmetic substances, e.g. shaving soap, lipstick, make-up A45D 34/00, A45D 40/00)

**NOTE**

In this subclass, the following expression is used with the meaning indicated:

- "writing implements" covers pens, pencils, crayons, chalks or like markers for writing or drawing

**WARNING**

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/00</td>
<td>Nibs (continuously adjustable nibs B43K 17/00); Writing-points (for indicating or recording apparatus G01D 15/16)</td>
</tr>
<tr>
<td>1/003</td>
<td>[Capillary nibs]</td>
</tr>
<tr>
<td>1/006</td>
<td>[Porous nibs (B43K 1/12 takes precedence)]</td>
</tr>
<tr>
<td>1/01</td>
<td>with ink reservoirs, e.g. funnel-shaped</td>
</tr>
<tr>
<td>1/015</td>
<td>[Funnel-shaped reservoirs]</td>
</tr>
<tr>
<td>1/02</td>
<td>Split nibs</td>
</tr>
<tr>
<td>1/04</td>
<td>with broadened tips</td>
</tr>
<tr>
<td>1/06</td>
<td>Tubular writing-points</td>
</tr>
<tr>
<td>1/08</td>
<td>with ball points; Balls or ball beds ([B43M 11/085 takes precedence])</td>
</tr>
<tr>
<td>1/082</td>
<td>[Balls]</td>
</tr>
<tr>
<td>1/084</td>
<td>[Ball beds]</td>
</tr>
<tr>
<td>1/086</td>
<td>[with resilient supporting means for the ball, e.g. springs]</td>
</tr>
<tr>
<td>1/088</td>
<td>[with an intermediate element between the resilient supporting means and the ball]</td>
</tr>
<tr>
<td>1/10</td>
<td>Wire nibs</td>
</tr>
<tr>
<td>1/12</td>
<td>Writing-points comprising fibres; Felt pads</td>
</tr>
<tr>
<td>3/00</td>
<td>Nib holders (holders for continuously adjustable nibs B43K 17/00)</td>
</tr>
<tr>
<td>3/005</td>
<td>[Nib pinchers]</td>
</tr>
<tr>
<td>3/02</td>
<td>with ink guards</td>
</tr>
<tr>
<td>3/04</td>
<td>with retractable nibs (mechanisms for retracting or locking nibs B43K 24/00)</td>
</tr>
<tr>
<td>5/00</td>
<td>Pens with ink reservoirs in holders, e.g. fountain-pens (nibs or writing-points with ink reservoirs B43K 1/01; ball-point pens B43K 7/00; pens with writing-points other than nibs or balls B43K 8/00; multiple-point writing implements B43K 27/00)</td>
</tr>
<tr>
<td>5/005</td>
<td>[Pen barrels]</td>
</tr>
<tr>
<td>5/02</td>
<td>Ink reservoirs</td>
</tr>
<tr>
<td>5/025</td>
<td>[with multiple colours]</td>
</tr>
<tr>
<td>5/03</td>
<td>[specially adapted for concentrated ink, e.g. solid ink]</td>
</tr>
<tr>
<td>5/04</td>
<td>[flexible]</td>
</tr>
<tr>
<td>5/06</td>
<td>. . with movable pistons [for withdrawing ink from an ink-receptacle (B43K 5/1818 takes precedence)]</td>
</tr>
<tr>
<td>5/08</td>
<td>. . with ink-supplying valves ([B43K 5/145 takes precedence])</td>
</tr>
<tr>
<td>5/10</td>
<td>. . with reserve ink chambers</td>
</tr>
<tr>
<td>5/12</td>
<td>. . with ink-level inspection means</td>
</tr>
<tr>
<td>5/14</td>
<td>. . Exchangeable ink cartridges</td>
</tr>
<tr>
<td>5/145</td>
<td>. . [with valves]</td>
</tr>
<tr>
<td>5/16</td>
<td>. . with retractable nibs (mechanisms for retracting or locking nibs B43K 24/00)</td>
</tr>
<tr>
<td>5/165</td>
<td>. . [with detachable means, e.g. caps, co-operating with the writing element]</td>
</tr>
<tr>
<td>5/17</td>
<td>. . with closing means ([B43K 5/165 takes precedence])</td>
</tr>
<tr>
<td>5/18</td>
<td>. Arrangements for feeding the ink to the nibs</td>
</tr>
<tr>
<td>5/1809</td>
<td>[Feed bars]</td>
</tr>
<tr>
<td>5/1818</td>
<td>[Mechanical feeding means, e.g. valves; Pumps]</td>
</tr>
<tr>
<td>5/1827</td>
<td>. . [Valves]</td>
</tr>
<tr>
<td>5/1836</td>
<td>. . . . [automatically closing]</td>
</tr>
<tr>
<td>5/1845</td>
<td>. . . . . [opened by actuation of the writing point (nibs with ball points with resilient supporting means, e.g. acting as a valve B43K 1/086)]</td>
</tr>
<tr>
<td>5/1854</td>
<td>. . . . . [mounted on ink-cartridges]</td>
</tr>
<tr>
<td>5/1863</td>
<td>. . . . . [opened by actuation of the rear-side of the pen]</td>
</tr>
<tr>
<td>5/1872</td>
<td>. . . . . [mounted on ink-cartridges]</td>
</tr>
<tr>
<td>5/1881</td>
<td>. . . . . [when the writing point points upwards]</td>
</tr>
<tr>
<td>5/189</td>
<td>. . . . [Pumps]</td>
</tr>
<tr>
<td>7/00</td>
<td>Ball-point pens ([B43M 11/085 takes precedence]; multiple-point writing implements B43K 27/00)</td>
</tr>
<tr>
<td>7/005</td>
<td>[Pen barrels]</td>
</tr>
<tr>
<td>7/01</td>
<td>. for low viscosity liquid ink</td>
</tr>
<tr>
<td>7/02</td>
<td>Ink reservoirs; Ink cartridges (B43K 7/01 takes precedence)</td>
</tr>
<tr>
<td>7/03</td>
<td>. . pressurised, e.g. by gas</td>
</tr>
<tr>
<td>7/035</td>
<td>. . the gas acting on a piston</td>
</tr>
</tbody>
</table>
Pens with writing-points other than nibs or balls (brushes with reservoir for supplying substances A46B 11/00)

8/00

8/003 . . . [Pen barrels]
8/006 . . . (using a spraying system, e.g. airbrushes)
8/02 . . . with writing-points comprising fibres, felt, or similar porous or capillary material (B43K 8/22 takes precedence)
8/022 . . . (with writing-points comprising fibres)
8/024 . . . (with writing-points comprising felt)
8/026 . . . (with writing-points comprising capillary material)
8/028 . . . [Movable closure or gate]
8/03 . . . Ink reservoirs; Ink cartridges
8/04 . . . Arrangements for feeding ink to writing-points
8/06 . . . . . Wick feed from within reservoir to writing-points
8/08 . . . . . Wick separate from writing-points
8/10 . . . . . including compartment for soluble solid material
8/12 . . . . . writing-points or writing-point units being separable from reservoir
8/14 . . . with coreless tubular writing-points
8/143 . . . [Arrangements for feeding the ink to the writing-points]
8/146 . . . . . [Ink cartridges, ink reservoirs]
8/16 . . . with tubular writing-points comprising a movable cleaning element
8/165 . . . . . [Ink cartridges, ink reservoirs]
8/18 . . . . . Arrangements for feeding the ink to the writing-points
8/20 . . . . . with roller writing-points
8/22 . . . . . with electrically or magnetically activated writing-points
8/24 . . . . . characterised by the means for retracting writing-points

11/00 Filling devices (ink receptacles B43L 25/000)
11/005 . . . . . [for refilling capillary reservoirs]

13/00 Devices for removing nibs; Devices for cleaning nibs, e.g. by wiping (ink receptacles with pen-wiping means B43L 25/12)
13/005 . . . . . [for extracting nibs]
13/02 . . . . . for cleaning nibs, e.g. ink reservoirs therein

15/00 Assembling, finishing, or repairing pens
15/02 . . . . . Automatic machines

17/00 Continuously-adjustable nibs, e.g. for drawing-pens; Holders therefor (features common to fountain pens B43K 5/00)
17/005 . . . . . [continuously-adjustable nibs]
17/01 . . . . . Nibs with ink reservoirs
17/02 . . . . . Nibs having more than two legs

17/04 . . . Holders with arrangements for drawing dotted lines
19/00 Non-propelling pencils; Styles; Crayons; Chalks (batik pencils, cord-line chalkers B44D 3/00; writing-core compositions for pencils, crayon composition, chalk compositions C09D 13/00)
19/003 . . . . . [Chalks]
19/006 . . . . . (with single short leads)
19/02 . . . Pencils with graphite; Coloured pencils
19/04 . . . Pencils with metallic writing-core
19/06 . . . . . the writing-core being made from substance wearing off during use
19/08 . . . . . the writing-core being made from wear-resistant substances
19/10 . . . . . equipped with ball-point (using ink B43K 1/08, B43K 7/00)
19/12 . . . Slate pencils
19/14 . . . Sheathings
19/145 . . . . . (with paper sheaths)
19/16 . . . Making non-propelling pencils (making slate-pencil writing-cores B28D)
19/18 . . . Making pencil writing-cores

21/00 Propelling pencils (projecting mechanisms for writing units B43K 24/00; multiple-point writing implements B43K 27/00)
21/003 . . . . . (with lead sections or lead cartridges)
21/006 . . . . . [Pencil-barrels]
21/02 . . . Writing-core feeding mechanisms
21/027 . . . . . with sliding tubelike writing-core guide
21/033 . . . . . with automatic feed by pressure during use of pencil
21/04 . . . . . with the writing-cores brought into position by gravity
21/045 . . . . . (with writing-cores automatically replaced from magazines)
21/06 . . . . . with the writing-cores fed by means sliding in longitudinally-slotted casings
21/08 . . . . . with the writing-cores fed by screws
21/085 . . . . . . (with a threaded propelling shank)
21/10 . . . . . . with separate writing-core remnants ejecting-bar
21/12 . . . . . . with means preventing overwinding
21/14 . . . . . . with writing-cores automatically replaced from magazines
21/16 . . . . . . with stepwise feed of writing-cores
21/18 . . . . . . having ratchet means
21/20 . . . . . . with writing-cores automatically replaced from magazines
21/22 . . . . . . Writing-cores gripping means, e.g. chucks
21/24 . . . Assembling, finishing, or repairing propelling pencils (making pencil writing-cores B43K 19/18)
21/26 . . . . . Automatic machines

23/00 Holders or connectors for writing implements; Means for protecting the writing-points (B43K 27/003 takes precedence)
23/001 . . . . . [Supporting means (bracelets with means for attaching a writing instrument or a memo pad A44C 50046)]
23/002 . . . . . . (with a fixed base)
23/004 . . . Holders specially adapted for assisting handicapped or disabled persons to write (B43K 15/00 takes precedence)
23/08  .  Holders comprising finger grips (B43K 23/004, B43K 23/012 take precedence)
23/012 .  Holders for attachment to finger tips (B43K 23/004 takes precedence)
23/016 .  Holders for crayons or chalks (B43K 23/004 - B43K 23/012, B43K 23/02 take precedence)
23/02  .  with means for preventing rolling (B43K 23/004 - B43K 23/012 take precedence)
23/04  .  enabling the writing implement to be set upright
23/06  .  Means for connecting two or more writing implements
23/08  .  Protecting means, e.g. caps
23/10  .  .  .  for pens { (caps co-operating with retractable nibs B43K 5/165) }
23/12  .  .  .  [with means for preventing choking ]
23/122  .  .  .  [comprising an air passage]
23/126  .  .  .  [with clips]
23/128  .  .  .  [with spring means]

24/00  Mechanisms for selecting, projecting, retracting or locking writing units
24/02  .  for locking a single writing unit in only fully projected or retracted positions
24/023  .  .  .  [with a deformable barrel]
24/026  .  .  .  [with a sleeve sliding on the forward end of the lead]
24/03  .  .  .  operated by flicking or tilting
24/04  .  .  .  operated by means sliding in longitudinally-slotted casings
24/06  .  .  .  operated by turning means
24/08  .  .  .  operated by push-buttons
24/082  .  .  .  [placed on the side]
24/084  .  .  .  [with saw-like or analogous cams]
24/086  .  .  .  [with heart-shaped cams, balls]
24/088  .  .  .  [with spreading spring means]
24/10  .  .  .  for selecting, projecting and locking several writing units
24/12  .  .  .  operated by means sliding in longitudinally-slotted casings
24/14  .  .  .  operated by turning means
24/143  .  .  .  [with two-way threads]
24/146  .  .  .  [with cam control]
24/16  .  .  .  operated by push-buttons
24/163  .  .  .  [with one push-button for each writing unit]
24/166  .  .  .  [selection by gravity with a pendulum or the like]
24/18  .  .  .  and for feeding the writing-cores
24/183  .  .  .  [with push-buttons]
24/186  .  .  .  [with a revolving barrel]

25/00  Attaching writing implements to wearing apparel or objects involving constructional changes of the implements (protecting means, e.g. caps B43K 23/08; garment-holding devices A44B 99/00; fastening articles to wearing apparel A45F 5/02)
25/02  .  .  .  Clips
25/022  .  .  .  [attached to a pen cap]
25/024  .  .  .  [detachably secured to the writing tool]
25/026  .  .  .  [combined with other objects]
25/028  .  .  .  [combined with means for propelling, projecting or retracting the writing unit]

27/00  Multiple-point writing implements, e.g. multicolour; Combinations of writing implements (B43K 29/00 takes precedence; mechanisms for selecting, projecting, retracting or locking writing units B43K 24/00; multiple writing devices with pantographic linkages B43L 13/12)
27/003  .  .  .  [only one holder being used either for the pencil or the pen]
27/006  .  .  .  [Pen or pencil barrels]
27/02  .  .  Combinations of pens and pencils
27/04  .  .  Combinations of pencils (writing-core feed mechanisms B43K 21/02)
27/08  .  .  Combinations of pens
27/12  .  .  .  of ball-point pens

29/00  Combinations of writing implements with other articles
29/001  .  .  .  [with compasses]
29/002  .  .  .  [with chance games, e.g. dices, lottery numbers]
29/003  .  .  .  [with optical equipment, e.g. magnifier, viewer]
29/004  .  .  .  [with more than one object]
29/005  .  .  .  [with sound or noise making devices, e.g. radio, alarm]
29/007  .  .  .  [with advertising means]
29/013  .  .  .  [with stamping means]
29/02  .  .  .  [with rubbers]
29/04  .  .  .  [with blotters]
29/05  .  .  .  [with applicators for eradicating- or correcting-liquid]
29/06  .  .  .  [with sharpening devices (with erasing knives B43K 29/18; pocket knives with pencils B26B)]
29/08  .  .  .  [measuring, computing or indicating devices]
29/087  .  .  .  .  .  .  [with calendars]
29/093  .  .  .  [with calculators]
29/10  .  .  .  [with illuminating devices]
29/12  .  .  .  [with memorandum appliances (with book covers B42D)]
29/16  .  .  .  [with lighters]
29/18  .  .  .  [with hand tools, e.g. erasing knives (with pocket knives B26B)]
29/185  .  .  .  .  .  .  [with cheque protectors]
29/20  .  .  .  [with other articles having storage compartments (with lighters B43K 29/16; writing implements functioning as, or combined with, writing implement receptacles B43K 31/00)]

31/00  Writing implement receptacles functioning as, or combined with, writing implements (other writing implement receptacles A45C 11/34, A45C 11/36)
31/005  .  .  .  [Distributors for leads, cartridges and the like]