

# CPC 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

- |             |   |             |  |
|-------------|---|-------------|--|
| <b>1/00</b> | <b>Nibs</b> (continuously adjustable nibs <a href="#">B43K 17/00</a> );<br><b>Writing-points</b> (for indicating or recording apparatus <a href="#">G01D 15/16</a> )  | 5/10        | . . with reserve ink chambers  |
| 1/003       | . {Capillary nibs}  | 5/12        | . . with ink-level inspection means  |
| 1/006       | . {Porous nibs ( <a href="#">B43K 1/12</a> takes precedence)}   | 5/14        | . . Exchangeable ink cartridges  |
| 1/01        | . with ink reservoirs, e.g. funnel-shaped   | 5/145       | . . . {with valves}  |
| 1/015       | . . {Funnel-shaped reservoirs}  | 5/16        | . with retractable nibs (mechanisms for retracting or locking nibs <a href="#">B43K 24/00</a> )  |
| 1/02        | . Split nibs  | 5/165       | . . {with detachable means, e.g. caps, co-operating with the writing element}  |
| 1/04        | . . with broadened tips   | 5/17        | . . with closing means ( <a href="#">B43K 5/165</a> takes precedence)}   |
| 1/06        | . Tubular writing-points  | 5/18        | . Arrangements for feeding the ink to the nibs   |
| 1/08        | . with ball points; Balls or ball beds ( <a href="#">B43M 11/085</a> takes precedence)}   | 5/1809      | . . {Feed bars}  |
| 1/082       | . . {Balls}   | 5/1818      | . . {Mechanical feeding means, e.g. valves; Pumps}   |
| 1/084       | . . {Ball beds}   | 5/1827      | . . . {Valves}   |
| 1/086       | . . {with resilient supporting means for the ball, e.g. springs}  | 5/1836      | . . . . {automatically closing}  |
| 1/088       | . . . {with an intermediate element between the resilient supporting means and the ball}  | 5/1845      | . . . . . {opened by actuation of the writing point (nibs with ball points with resilient supporting means, e.g. acting as a valve <a href="#">B43K 1/086</a> )} |
| 1/10        | . Wire nibs   | 5/1854      | . . . . . {mounted on ink-cartridges}  |
| 1/12        | . Writing-points comprising fibres; Felt pads   | 5/1863      | . . . . . {opened by actuation of the rear-side of the pen}  |
| <b>3/00</b> | <b>Nib holders</b> (holders for continuously adjustable nibs <a href="#">B43K 17/00</a> )   | 5/1872      | . . . . . {mounted on ink-cartridges}  |
| 3/005       | . {Nib pinchers}  | 5/1881      | . . . . . {when the writing point points upwards}  |
| 3/02        | . with ink guards   | 5/189       | . . . {Pumps}  |
| 3/04        | . with retractable nibs (mechanisms for retracting or locking nibs <a href="#">B43K 24/00</a> )   | <b>7/00</b> | <b>Ball-point pens</b> ( <a href="#">B43M 11/085</a> takes precedence); multiple-point writing implements <a href="#">B43K 27/00</a> )                           |
| <b>5/00</b> | <b>Pens with ink reservoirs in holders, e.g. fountain-pens</b> (nibs or writing-points with ink reservoirs <a href="#">B43K 1/01</a> ; ball-point pens <a href="#">B43K 7/00</a> ; pens with writing-points other than nibs or balls <a href="#">B43K 8/00</a> ; multiple-point writing implements <a href="#">B43K 27/00</a> ) | 7/005       | . {Pen barrels}  |
| 5/005       | . {Pen barrels}   | 7/01        | . for low viscosity liquid ink   |
| 5/02        | . Ink reservoirs  | 7/02        | . Ink reservoirs; Ink cartridges ( <a href="#">B43K 7/01</a> takes precedence)   |
| 5/025       | . . {with multiple colours}   | 7/03        | . . pressurised, e.g. by gas   |
| 5/03        | . . specially adapted for concentrated ink, e.g. solid ink  | 7/035       | . . . the gas acting on a piston   |
| 5/04        | . . flexible  | 7/04        | . . Arrangements for filling the reservoirs, e.g. arrangements at the ball-point ends  |
| 5/06        | . . with movable pistons {for withdrawing ink from an ink-receptacle ( <a href="#">B43K 5/1818</a> takes precedence)}   | 7/06        | . . Reservoirs with ink-level inspection means   |
| 5/08        | . . . with ink-supplying valves ( <a href="#">B43K 5/145</a> takes precedence)}   | 7/08        | . . Preventing leakage   |
|             |   | 7/10        | . Arrangements for feeding ink to the ball points ( <a href="#">B43K 7/01</a> takes precedence)  |
|             |   | 7/105       | . . {Feed bars}  |
|             |   | 7/12        | . with retractable ball points (mechanisms for retracting or locking ball points <a href="#">B43K 24/00</a> )  |

<b>8/00</b>	<b>Pens with writing-points other than nibs or balls (brushes with reservoir for supplying substances <a href="#">A46B 11/00</a>)</b>	19/06	<ul style="list-style-type: none"> <li>the writing-core being made from substance wearing off during use</li> </ul>
8/003	<ul style="list-style-type: none"> <li>{Pen barrels}</li> </ul>	19/08	<ul style="list-style-type: none"> <li>the writing-core being made from wear-resistant substances</li> </ul>
8/006	<ul style="list-style-type: none"> <li>{using a spraying system, e.g. airbrushes}</li> </ul>	19/10	<ul style="list-style-type: none"> <li>equipped with ball-point (<a href="#">using ink B43K 1/08, B43K 7/00</a>)</li> </ul>
8/02	<ul style="list-style-type: none"> <li>with writing-points comprising fibres, felt, or similar porous or capillary material (<a href="#">B43K 8/22 takes precedence</a>)</li> </ul>	19/12	<ul style="list-style-type: none"> <li>Slate pencils</li> </ul>
8/022	<ul style="list-style-type: none"> <li>{with writing-points comprising fibres}</li> </ul>	19/14	<ul style="list-style-type: none"> <li>Sheathings</li> </ul>
8/024	<ul style="list-style-type: none"> <li>{with writing-points comprising felt}</li> </ul>	19/145	<ul style="list-style-type: none"> <li>{with paper sheaths}</li> </ul>
8/026	<ul style="list-style-type: none"> <li>{with writing-points comprising capillary material}</li> </ul>	19/16	<ul style="list-style-type: none"> <li>Making non-propelling pencils (<a href="#">making slate-pencil writing-cores B28D</a>)</li> </ul>
8/028	<ul style="list-style-type: none"> <li>{Movable closure or gate}</li> </ul>	19/18	<ul style="list-style-type: none"> <li>Making pencil writing-cores</li> </ul>
8/03	<ul style="list-style-type: none"> <li>Ink reservoirs; Ink cartridges</li> </ul>	<b>21/00</b>	<b>Propelling pencils (projecting mechanisms for writing units <a href="#">B43K 24/00</a>; multiple-point writing implements <a href="#">B43K 27/00</a>)</b>
8/04	<ul style="list-style-type: none"> <li>Arrangements for feeding ink to writing-points</li> </ul>	21/003	<ul style="list-style-type: none"> <li>{with lead sections or lead cartridges}</li> </ul>
8/06	<ul style="list-style-type: none"> <li>Wick feed from within reservoir to writing-points</li> </ul>	21/006	<ul style="list-style-type: none"> <li>{Pencil-barrels}</li> </ul>
8/08	<ul style="list-style-type: none"> <li>Wick separate from writing-points</li> </ul>	21/02	<ul style="list-style-type: none"> <li>Writing-core feeding mechanisms</li> </ul>
8/10	<ul style="list-style-type: none"> <li>including compartment for soluble solid material</li> </ul>	21/027	<ul style="list-style-type: none"> <li>with sliding tubelike writing-core guide</li> </ul>
8/12	<ul style="list-style-type: none"> <li>writing-points or writing-point units being separable from reservoir</li> </ul>	21/033	<ul style="list-style-type: none"> <li>with automatic feed by pressure during use of pencil</li> </ul>
8/14	<ul style="list-style-type: none"> <li>with coreless tubular writing-points</li> </ul>	21/04	<ul style="list-style-type: none"> <li>with the writing-cores brought into position by gravity</li> </ul>
8/143	<ul style="list-style-type: none"> <li>{Arrangements for feeding the ink to the writing-points}</li> </ul>	21/045	<ul style="list-style-type: none"> <li>{with writing-cores automatically replaced from magazines}</li> </ul>
8/146	<ul style="list-style-type: none"> <li>{Ink cartridges, ink reservoirs}</li> </ul>	21/06	<ul style="list-style-type: none"> <li>with the writing-cores fed by means sliding in longitudinally-slotted casings</li> </ul>
8/16	<ul style="list-style-type: none"> <li>with tubular writing-points comprising a movable cleaning element</li> </ul>	21/08	<ul style="list-style-type: none"> <li>with the writing-cores fed by screws</li> </ul>
8/165	<ul style="list-style-type: none"> <li>{Ink cartridges, ink reservoirs}</li> </ul>	21/085	<ul style="list-style-type: none"> <li>{with a threaded propelling shank}</li> </ul>
8/18	<ul style="list-style-type: none"> <li>Arrangements for feeding the ink to the writing-points</li> </ul>	21/10	<ul style="list-style-type: none"> <li>with separate writing-core remnants ejecting-bar</li> </ul>
8/20	<ul style="list-style-type: none"> <li>with roller writing-points</li> </ul>	21/12	<ul style="list-style-type: none"> <li>with means preventing overwinding</li> </ul>
8/22	<ul style="list-style-type: none"> <li>with electrically or magnetically activated writing-points</li> </ul>	21/14	<ul style="list-style-type: none"> <li>with writing-cores automatically replaced from magazines</li> </ul>
8/24	<ul style="list-style-type: none"> <li>characterised by the means for retracting writing-points</li> </ul>	21/16	<ul style="list-style-type: none"> <li>with stepwise feed of writing-cores</li> </ul>
<b>11/00</b>	<b>Filling devices (<a href="#">ink receptacles B43L 25/00</a>)</b>	21/18	<ul style="list-style-type: none"> <li>having ratchet means</li> </ul>
11/005	<ul style="list-style-type: none"> <li>{for refilling capillary reservoirs}</li> </ul>	21/20	<ul style="list-style-type: none"> <li>with writing-cores automatically replaced from magazines</li> </ul>
<b>13/00</b>	<b>Devices for removing nibs; Devices for cleaning nibs, e.g. by wiping (<a href="#">ink receptacles with pen-wiping means B43L 25/12</a>)</b>	21/22	<ul style="list-style-type: none"> <li>Writing-cores gripping means, e.g. chucks</li> </ul>
13/005	<ul style="list-style-type: none"> <li>{for extracting nibs}</li> </ul>	21/24	<ul style="list-style-type: none"> <li>Assembling, finishing, or repairing propelling pencils (<a href="#">making pencil writing-cores B43K 19/18</a>)</li> </ul>
13/02	<ul style="list-style-type: none"> <li>for cleaning nibs, e.g. ink reservoirs therein</li> </ul>	21/26	<ul style="list-style-type: none"> <li>Automatic machines</li> </ul>
<b>15/00</b>	<b>Assembling, finishing, or repairing pens</b>	<b>23/00</b>	<b>Holders or connectors for writing implements; Means for protecting the writing-points (<a href="#">B43K 27/003 takes precedence</a>)</b>
15/02	<ul style="list-style-type: none"> <li>Automatic machines</li> </ul>	23/001	<ul style="list-style-type: none"> <li>{Supporting means (bracelets with means for attaching a writing instrument or a memo pad <a href="#">A44C 5/0046</a>)}</li> </ul>
<b>17/00</b>	<b>Continuously-adjustable nibs, e.g. for drawing-pens; Holders therefor (features common to fountain pens <a href="#">B43K 5/00</a>)</b>	23/002	<ul style="list-style-type: none"> <li>{with a fixed base}</li> </ul>
17/005	<ul style="list-style-type: none"> <li>{continuously-adjustable nibs}</li> </ul>	23/004	<ul style="list-style-type: none"> <li>Holders specially adapted for assisting handicapped or disabled persons to write (<a href="#">B43L 15/00 takes precedence</a>)</li> </ul>
17/01	<ul style="list-style-type: none"> <li>Nibs with ink reservoirs</li> </ul>	23/008	<ul style="list-style-type: none"> <li>Holders comprising finger grips (<a href="#">B43K 23/004, B43K 23/012 take precedence</a>)</li> </ul>
17/02	<ul style="list-style-type: none"> <li>Nibs having more than two legs</li> </ul>	23/012	<ul style="list-style-type: none"> <li>Holders for attachment to finger tips (<a href="#">B43K 23/004 takes precedence</a>)</li> </ul>
17/04	<ul style="list-style-type: none"> <li>Holders with arrangements for drawing dotted lines</li> </ul>	23/016	<ul style="list-style-type: none"> <li>Holders for crayons or chalks (<a href="#">B43K 23/004 - B43K 23/012, B43K 23/02 take precedence</a>)</li> </ul>
<b>19/00</b>	<b>Non-propelling pencils; Styles; Crayons; Chalks (batik pencils, cord-line chalkers <a href="#">B44D 3/00</a>; writing-core compositions for pencils, crayon compositions, chalk compositions <a href="#">C09D 13/00</a>)</b>	23/02	<ul style="list-style-type: none"> <li>with means for preventing rolling (<a href="#">B43K 23/004 - B43K 23/012 take precedence</a>)</li> </ul>
19/003	<ul style="list-style-type: none"> <li>{Chalks}</li> </ul>	23/04	<ul style="list-style-type: none"> <li>enabling the writing implement to be set upright</li> </ul>
19/006	<ul style="list-style-type: none"> <li>{with single short leads}</li> </ul>		
19/02	<ul style="list-style-type: none"> <li>Pencils with graphite; Coloured pencils</li> </ul>		
19/04	<ul style="list-style-type: none"> <li>Pencils with metallic writing-core</li> </ul>		

- 23/06 . Means for connecting two or more writing implements
- 23/08 . Protecting means, e.g. caps
- 23/10 . . for pencils
- 23/12 . . for pens {(caps co-operating with retractable nibs [B43K 5/165](#))}
- 23/122 . . . {with means for preventing choking}
- 23/124 . . . {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 . . operating 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 . with measuring, computing or indicating devices
- 29/087 . . for indicating time, e.g. with calendars or watches
- 29/0875 . . . {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}