

**CPC****COOPERATIVE PATENT CLASSIFICATION****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

**B43K 1/00**

**Nibs** (continuously adjustable nibs [B43K 17/00](#)); **Writing-points** (for indicating or recording apparatus [G01D 15/16](#))

B43K 1/003

. {Capillary nibs}

B43K 1/006

. {Porous nibs ([B43K 1/12](#) takes precedence)}

B43K 1/01

. with ink reservoirs, e.g. funnel-shaped

B43K 1/015

.. {Funnel-shaped reservoirs}

B43K 1/02

. Split nibs

B43K 1/04

.. with broadened tips

B43K 1/06

. Tubular writing-points

B43K 1/08

. with ball points; Balls or ball beds {([B43M 11/085](#) takes precedence)}

B43K 1/082

.. {Balls}

B43K 1/084

.. {Ball beds}

B43K 1/086

.. {with resilient supporting means for the ball, e.g. springs}

B43K 1/088

... {with an intermediate element between the resilient supporting means and the ball}

B43K 1/10

. Wire nibs

B43K 1/12

. Writing-points comprising fibres; Felt pads

**B43K 3/00**

**Nib holders** (holders for continuously adjustable nibs [B43K 17/00](#))

B43K 3/005

. {Nib pinchers}

B43K 3/02

. with ink guards

B43K 3/04

. with retractable nibs (mechanisms for retracting or locking nibs [B43K 24/00](#))**B43K 5/00**

**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](#))

B43K 5/005

. {Pen barrels}

B43K 5/02

. Ink reservoirs

B43K 5/025

.. {with multiple colours}

B43K 5/03

.. specially adapted for concentrated ink, e.g. solid ink

B43K 5/04

.. flexible

- B43K 5/06 .. with movable pistons {for withdrawing ink from an ink-receptacle ([B43K 5/1818](#) takes precedence)}
- B43K 5/08 ... with ink-supplying valves {([B43K 5/145](#) takes precedence)}
- B43K 5/10 .. with reserve ink chambers
- B43K 5/12 .. with ink-level inspection means
- B43K 5/14 .. Exchangeable ink cartridges
- B43K 5/145 ... {with valves}
- B43K 5/16 . with retractable nibs (mechanisms for retracting or locking nibs [B43K 24/00](#))
- B43K 5/165 .. {with detachable means, e.g. caps, co-operating with the writing element}
- B43K 5/17 .. with closing means {([B43K 5/165](#) takes precedence)}
- B43K 5/18 . Arrangements for feeding the ink to the nibs
- B43K 5/1809 .. {Feed bars}
- B43K 5/1818 .. {Mechanical feeding means, e.g. valves; Pumps}
- B43K 5/1827 ... {Valves}
- B43K 5/1836 .... {automatically closing}
- B43K 5/1845 ..... {opened by actuation of the writing point (nibs with ball points with resilient supporting means, e.g. acting as a valve [B43K 1/086](#))}
- B43K 5/1854 ..... {mounted on ink-cartridges}
- B43K 5/1863 ..... {opened by actuation of the rear-side of the pen}
- B43K 5/1872 ..... {mounted on ink-cartridges}
- B43K 5/1881 ..... {when the writing point points upwards}
- B43K 5/189 ... {Pumps}

**B43K 7/00** **Ball-point pens** ({[B43M 11/085](#) takes precedence}; multiple-point writing implements [B43K 27/00](#))

- B43K 7/005 . { Pen barrels}
- B43K 7/01 . for low viscosity liquid ink
- B43K 7/02 . Ink reservoirs; Ink cartridges ([B43K 7/01](#) takes precedence)
- B43K 7/03 .. pressurised, e.g. by gas
- B43K 7/035 ... the gas acting on a piston
- B43K 7/04 .. Arrangements for filling the reservoirs, e.g. arrangements at the ball-point ends
- B43K 7/06 .. Reservoirs with ink-level inspection means
- B43K 7/08 .. Preventing leakage
- B43K 7/10 . Arrangements for feeding ink to the ball points ([B43K 7/01](#) takes precedence)
- B43K 7/105 .. {Feed bars}
- B43K 7/12 . with retractable ball points (mechanisms for retracting or locking ball points [B43K 24/00](#))

**B43K 8/00** **Pens with writing-points other than nibs or balls** (brushes with reservoir for supplying substances [A46B 11/00](#))

- B43K 8/003 . N: Pen barrels]
- B43K 8/006 . {using a spraying system, e.g. airbrushes}

B43K 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>
B43K 8/022	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>{with writing-points comprising fibres}</li> </ul></li> </ul>
B43K 8/024	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>{with writing-points comprising felt}</li> </ul></li> </ul>
B43K 8/026	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>{with writing-points comprising capillary material}</li> </ul></li> </ul>
B43K 8/028	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>{ Movable closure or gate}</li> </ul></li> </ul>
B43K 8/03	<ul style="list-style-type: none"> <li>Ink reservoirs; Ink cartridges</li> </ul>
B43K 8/04	<ul style="list-style-type: none"> <li>Arrangements for feeding ink to writing-points</li> </ul>
B43K 8/06	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>Wick feed from within reservoir to writing-points</li> </ul></li> </ul>
B43K 8/08	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>Wick separate from writing-points</li> </ul></li> </ul>
B43K 8/10	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>including compartment for soluble solid material</li> </ul></li> </ul>
B43K 8/12	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>writing-points or writing-point units being separable from reservoir</li> </ul></li> </ul>
B43K 8/14	<ul style="list-style-type: none"> <li>with coreless tubular writing-points</li> </ul>
B43K 8/143	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>{Arrangements for feeding the ink to the writing-points}</li> </ul></li> </ul>
B43K 8/146	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>{Ink cartridges, ink reservoirs}</li> </ul></li> </ul>
B43K 8/16	<ul style="list-style-type: none"> <li>with tubular writing-points comprising a movable cleaning element</li> </ul>
B43K 8/165	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>{Ink cartridges, ink reservoirs}</li> </ul></li> </ul>
B43K 8/18	<ul style="list-style-type: none"> <li>Arrangements for feeding the ink to the writing-points</li> </ul>
B43K 8/20	<ul style="list-style-type: none"> <li>with roller writing-points</li> </ul>
B43K 8/22	<ul style="list-style-type: none"> <li>with electrically or magnetically activated writing-points</li> </ul>
B43K 8/24	<ul style="list-style-type: none"> <li>characterised by the means for retracting writing-points</li> </ul>
<b>B43K 11/00</b>	<b>Filling devices</b> ( <a href="#">ink receptacles B43L 25/00</a> )
B43K 11/005	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>{for refilling capillary reservoirs}</li> </ul></li> </ul>
<b>B43K 13/00</b>	<b>Devices for removing nibs; Devices for cleaning nibs, e.g. by wiping</b> ( <a href="#">ink receptacles with pen-wiping means B43L 25/12</a> )
B43K 13/005	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>{for extracting nibs}</li> </ul></li> </ul>
B43K 13/02	<ul style="list-style-type: none"> <li>for cleaning nibs, e.g. ink reservoirs therein</li> </ul>
<b>B43K 15/00</b>	<b>Assembling, finishing, or repairing pens</b>
B43K 15/02	<ul style="list-style-type: none"> <li>Automatic machines</li> </ul>
<b>B43K 17/00</b>	<b>Continuously-adjustable nibs, e.g. for drawing-pens; Holders therefor</b> ( <a href="#">features common to fountain pens B43K 5/00</a> )
B43K 17/005	<ul style="list-style-type: none"> <li><ul style="list-style-type: none"> <li>{continuously-adjustable nibs}</li> </ul></li> </ul>
B43K 17/01	<ul style="list-style-type: none"> <li>Nibs with ink reservoirs</li> </ul>
B43K 17/02	<ul style="list-style-type: none"> <li>Nibs having more than two legs</li> </ul>
B43K 17/04	<ul style="list-style-type: none"> <li>Holders with arrangements for drawing dotted lines</li> </ul>
<b>B43K 19/00</b>	<b>Non-propelling pencils; Styles; Crayons; Chalks</b> ( <a href="#">batik pencils, cord-line chalkers B44D 3/00</a> ; <a href="#">writing-core compositions for pencils, crayon compositions, chalk compositions C09D 13/00</a> )

- B43K 19/003 . {Chalks}
- B43K 19/006 . {with single short leads}
- B43K 19/02 . Pencils with graphite; Coloured pencils
- B43K 19/04 . Pencils with metallic writing-core
- B43K 19/06 .. the writing-core being made from substance wearing off during use
- B43K 19/08 .. the writing-core being made from wear-resistant substances
- B43K 19/10 ... equipped with ball-point (using ink [B43K 1/08](#), [B43K 7/00](#))
- B43K 19/12 . Slate pencils
- B43K 19/14 . Sheathings
- B43K 19/145 .. {with paper sheaths}
- B43K 19/16 . Making non-propelling pencils (making slate-pencil writing-cores [B28D](#))
- B43K 19/18 .. Making pencil writing-cores

**B43K 21/00**

**Propelling pencils** (projecting mechanisms for writing units [B43K 24/00](#); multiple-point writing implements [B43K 27/00](#))

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

**B43K 23/00**

**Holders or connectors for writing implements; Means for protecting the writing-points** {([B43K 27/003](#) takes precedence)}

- B43K 23/001 . {Supporting means (bracelets with means for attaching a writing instrument or a memo pad [A44C 5/0046](#))}
- B43K 23/002 .. {with a fixed base}

- B43K 23/004 . Holders specially adapted for assisting handicapped or disabled persons to write ([B43L 15/00 takes precedence](#))
- B43K 23/008 . Holders comprising finger grips ([B43K 23/004](#), [B43K 23/012 take precedence](#))
- B43K 23/012 . Holders for attachment to finger tips ([B43K 23/004 takes precedence](#))
- B43K 23/016 . Holders for crayons or chalks ([B43K 23/004 to B43K 23/012](#), [B43K 23/02 take precedence](#))
- B43K 23/02 . with means for preventing rolling ([B43K 23/004 to B43K 23/012 take precedence](#))
- B43K 23/04 . . enabling the writing implement to be set upright
- B43K 23/06 . Means for connecting two or more writing implements
- B43K 23/08 . Protecting means, e.g. caps
- B43K 23/10 . . for pencils
- B43K 23/12 . . for pens {(caps co-operating with retractable nibs [B43K 5/165](#))}
- B43K 23/122 . . . {with means for preventing choking}
- B43K 23/124 . . . . {comprising an air passage}
- B43K 23/126 . . . {with clips}
- B43K 23/128 . . . {with spring means}

**B43K 24/00****Mechanisms for selecting, projecting, retracting or locking writing units**

- B43K 24/02 . for locking a single writing unit in only fully projected or retracted positions
- B43K 24/023 . . {with a deformable barrel}
- B43K 24/026 . . {with a sleeve sliding on the forward end of the lead}
- B43K 24/03 . . operated by flicking or tilting
- B43K 24/04 . . operated by means sliding in longitudinally-slotted casings
- B43K 24/06 . . operated by turning means
- B43K 24/08 . . operated by push-buttons
- B43K 24/082 . . . {placed on the side}
- B43K 24/084 . . . {with saw-like or analogous cams}
- B43K 24/086 . . . {with heart-shaped cams, balls}
- B43K 24/088 . . . {with spreading spring means}
- B43K 24/10 . for selecting, projecting and locking several writing units
- B43K 24/12 . . operating by means sliding in longitudinally-slotted casings
- B43K 24/14 . . operated by turning means
- B43K 24/143 . . . {with two-way threads}
- B43K 24/146 . . . {with cam control}
- B43K 24/16 . . operated by push-buttons
- B43K 24/163 . . . {with one push-button for each writing unit}
- B43K 24/166 . . . {selection by gravity with a pendulum or the like}
- B43K 24/18 . . and for feeding the writing-cores
- B43K 24/183 . . . {with push-buttons}
- B43K 24/186 . . . {with a revolving barrel}

<b>B43K 25/00</b>	<b>Attaching writing implements to wearing apparel or objects involving constructional changes of the implements</b> (protecting means, e.g. caps <a href="#">B43K 23/08</a> ; garment-holding devices <a href="#">A44B 99/00</a> ; fastening articles to wearing apparel <a href="#">A45F 5/02</a> )
B43K 25/02	. Clips
B43K 25/022	.. {attached to a pen cap}
B43K 25/024	.. {detachably secured to the writing tool}
B43K 25/026	.. {combined with other objects}
B43K 25/028	.. {combined with means for propelling, projecting or retracting the writing unit}
<b>B43K 27/00</b>	<b>Multiple-point writing implements, e.g. multicolour; Combinations of writing implements</b> ( <a href="#">B43K 29/00</a> takes precedence; mechanisms for selecting, projecting, retracting or locking writing units <a href="#">B43K 24/00</a> ; multiple writing devices with pantographic linkages <a href="#">B43L 13/12</a> )
B43K 27/003	. {only one holder being used either for the pencil or the pen}
B43K 27/006	. { Pen or pencil barrels}
B43K 27/02	. Combinations of pens and pencils
B43K 27/04	. Combinations of pencils (writing-core feed mechanisms <a href="#">B43K 21/02</a> )
B43K 27/08	. Combinations of pens
B43K 27/12	.. of ball-point pens
<b>B43K 29/00</b>	<b>Combinations of writing implements with other articles</b>
B43K 29/001	. {with compasses}
B43K 29/002	. {with chance games, e.g. dices, lottery numbers}
B43K 29/003	. {with optical equipment, e.g. magnifier, viewer}
B43K 29/004	. {with more than one object}
B43K 29/005	. {with sound or noise making devices, e.g. radio, alarm}
B43K 29/007	. with advertising means
B43K 29/013	. with stamping means
B43K 29/02	. with rubbers
B43K 29/04	. with blotters
B43K 29/05	. with applicators for eradicating- or correcting-liquid
B43K 29/06	. with sharpening devices (with erasing knives <a href="#">B43K 29/18</a> ; pocket knives with pencils <a href="#">B26B</a> )
B43K 29/08	. with measuring, computing or indicating devices
B43K 29/087	.. for indicating time, e.g. with calendars or watches
B43K 29/0875	... {with calendars}
B43K 29/093	.. with calculators
B43K 29/10	. with illuminating devices
B43K 29/12	. with memorandum appliances (with book covers <a href="#">B42D</a> )
B43K 29/16	. with lighters
B43K 29/18	. with hand tools, e.g. erasing knives (with pocket knives <a href="#">B26B</a> )
B43K 29/185	.. {with cheque protectors}

- B43K 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](#))
- B43K 31/00**      **Writing implement receptacles functioning as, or combined with, writing implements** ([other writing implement receptacles A45C 11/34](#), [A45C 11/36](#))
- B43K 31/005
- {[Distributors for leads, cartridges and the like](#)}