

**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 . {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</a> takes precedence)</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 <a href="#">B43K 1/08</a> , <a href="#">B43K 7/00</a> )
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 <a href="#">B28D</a> )
B43K 19/18	.. Making pencil writing-cores
<b>B43K 21/00</b>	<b>Propelling pencils</b> (projecting mechanisms for writing units <a href="#">B43K 24/00</a> ; multiple-point writing implements <a href="#">B43K 27/00</a> )
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 <a href="#">B43K 19/18</a> )
B43K 21/26	.. Automatic machines
<b>B43K 23/00</b>	<b>Holders or connectors for writing implements; Means for protecting the writing-points</b> {( <a href="#">B43K 27/003</a> takes precedence)}
B43K 23/001	. {Supporting means (bracelets with means for attaching a writing instrument or a memo pad <a href="#">A44C 5/0046</a> )}
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}

**B43K 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](#))

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}

**B43K 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](#))

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 [B43K 21/02](#))

B43K 27/08

- . Combinations of pens

B43K 27/12

- .. of ball-point pens

**B43K 29/00**

**Combinations of writing implements with other articles**

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 [B43K 29/18](#); pocket knives with pencils [B26B](#))

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 [B42D](#))

B43K 29/16

- . with lighters

B43K 29/18

- . with hand tools, e.g. erasing knives (with pocket knives [B26B](#))

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}