

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}

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|-------------------|--|
| B43K 8/02 | . with writing-points comprising fibres, felt, or similar porous or capillary material (B43K 8/22 takes precedence) |
| B43K 8/022 | . . {with writing-points comprising fibres} |
| B43K 8/024 | . . {with writing-points comprising felt} |
| B43K 8/026 | . . {with writing-points comprising capillary material} |
| B43K 8/028 | . . {Movable closure or gate} |
| B43K 8/03 | . . Ink reservoirs; Ink cartridges |
| B43K 8/04 | . . Arrangements for feeding ink to writing-points |
| B43K 8/06 | . . . Wick feed from within reservoir to writing-points |
| B43K 8/08 | Wick separate from writing-points |
| B43K 8/10 | . . . including compartment for soluble solid material |
| B43K 8/12 | . . . writing-points or writing-point units being separable from reservoir |
| B43K 8/14 | . with coreless tubular writing-points |
| B43K 8/143 | . . {Arrangements for feeding the ink to the writing-points} |
| B43K 8/146 | . . {Ink cartridges, ink reservoirs} |
| B43K 8/16 | . with tubular writing-points comprising a movable cleaning element |
| B43K 8/165 | . . {Ink cartridges, ink reservoirs} |
| B43K 8/18 | . . Arrangements for feeding the ink to the writing-points |
| B43K 8/20 | . with roller writing-points |
| B43K 8/22 | . with electrically or magnetically activated writing-points |
| B43K 8/24 | . characterised by the means for retracting writing-points |
| B43K 11/00 | Filling devices (ink receptacles B43L 25/00) |
| B43K 11/005 | . {for refilling capillary reservoirs} |
| B43K 13/00 | Devices for removing nibs; Devices for cleaning nibs, e.g. by wiping (ink receptacles with pen-wiping means B43L 25/12) |
| B43K 13/005 | . {for extracting nibs} |
| B43K 13/02 | . for cleaning nibs, e.g. ink reservoirs therein |
| B43K 15/00 | Assembling, finishing, or repairing pens |
| B43K 15/02 | . Automatic machines |
| B43K 17/00 | Continuously-adjustable nibs, e.g. for drawing-pens; Holders therefor (features common to fountain pens B43K 5/00) |
| B43K 17/005 | . {continuously-adjustable nibs} |
| B43K 17/01 | . Nibs with ink reservoirs |
| B43K 17/02 | . Nibs having more than two legs |
| B43K 17/04 | . Holders with arrangements for drawing dotted lines |
| B43K 19/00 | Non-propelling pencils; Styles; Crayons; Chalks (batik pencils, cord-line chalkers B44D 3/00 ; writing-core compositions for pencils, crayon compositions, chalk compositions C09D 13/00) |

- 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}

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}