

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	<ul style="list-style-type: none"> • {using a spraying system, e.g. airbrushes}
B43K 8/02	<ul style="list-style-type: none"> • with writing-points comprising fibres, felt, or similar porous or capillary material (B43K 8/22 takes precedence)
B43K 8/022	<ul style="list-style-type: none"> • • {with writing-points comprising fibres}
B43K 8/024	<ul style="list-style-type: none"> • • {with writing-points comprising felt}
B43K 8/026	<ul style="list-style-type: none"> • • {with writing-points comprising capillary material}
B43K 8/028	<ul style="list-style-type: none"> • • {Movable closure or gate}
B43K 8/03	<ul style="list-style-type: none"> • • Ink reservoirs; Ink cartridges
B43K 8/04	<ul style="list-style-type: none"> • • Arrangements for feeding ink to writing-points
B43K 8/06	<ul style="list-style-type: none"> • • • Wick feed from within reservoir to writing-points
B43K 8/08	<ul style="list-style-type: none"> • • • • Wick separate from writing-points
B43K 8/10	<ul style="list-style-type: none"> • • • including compartment for soluble solid material
B43K 8/12	<ul style="list-style-type: none"> • • • writing-points or writing-point units being separable from reservoir
B43K 8/14	<ul style="list-style-type: none"> • with coreless tubular writing-points
B43K 8/143	<ul style="list-style-type: none"> • • {Arrangements for feeding the ink to the writing-points}
B43K 8/146	<ul style="list-style-type: none"> • • {Ink cartridges, ink reservoirs}
B43K 8/16	<ul style="list-style-type: none"> • with tubular writing-points comprising a movable cleaning element
B43K 8/165	<ul style="list-style-type: none"> • • {Ink cartridges, ink reservoirs}
B43K 8/18	<ul style="list-style-type: none"> • • Arrangements for feeding the ink to the writing-points
B43K 8/20	<ul style="list-style-type: none"> • with roller writing-points
B43K 8/22	<ul style="list-style-type: none"> • with electrically or magnetically activated writing-points
B43K 8/24	<ul style="list-style-type: none"> • characterised by the means for retracting writing-points
B43K 11/00	Filling devices (ink receptacles B43L 25/00)
B43K 11/005	<ul style="list-style-type: none"> • {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	<ul style="list-style-type: none"> • {for extracting nibs}
B43K 13/02	<ul style="list-style-type: none"> • for cleaning nibs, e.g. ink reservoirs therein
B43K 15/00	Assembling, finishing, or repairing pens
B43K 15/02	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • {continuously-adjustable nibs}
B43K 17/01	<ul style="list-style-type: none"> • Nibs with ink reservoirs
B43K 17/02	<ul style="list-style-type: none"> • Nibs having more than two legs
B43K 17/04	<ul style="list-style-type: none"> • 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}