

**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 [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 . 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 21/00](#); 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 }