

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](#))
 - . {Pen barrels}
- 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](#))
 - . {Pen barrels}
- B43K 8/003
 - . {Pen barrels}
- B43K 8/006
 - . {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"> <ul style="list-style-type: none"> {with writing-points comprising fibres}
B43K 8/024	<ul style="list-style-type: none"> <ul style="list-style-type: none"> {with writing-points comprising felt}
B43K 8/026	<ul style="list-style-type: none"> <ul style="list-style-type: none"> {with writing-points comprising capillary material}
B43K 8/028	<ul style="list-style-type: none"> <ul style="list-style-type: none"> {Movable closure or gate}
B43K 8/03	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Ink reservoirs; Ink cartridges
B43K 8/04	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Arrangements for feeding ink to writing-points
B43K 8/06	<ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> Wick feed from within reservoir to writing-points
B43K 8/08	<ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> Wick separate from writing-points
B43K 8/10	<ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> including compartment for soluble solid material
B43K 8/12	<ul style="list-style-type: none"> <ul style="list-style-type: none"> <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"> <ul style="list-style-type: none"> {Arrangements for feeding the ink to the writing-points}
B43K 8/146	<ul style="list-style-type: none"> <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"> <ul style="list-style-type: none"> {Ink cartridges, ink reservoirs}
B43K 8/18	<ul style="list-style-type: none"> <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}