

SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B43 WRITING OR DRAWING IMPLEMENTS; BUREAU ACCESSORIES

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(s)

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.

Subclass index

IMPLEMENTS WITH CORES

Without mechanisms.....	19/00
With mechanisms.....	21/00
Accessories.....	23/00, 25/00

IMPLEMENTS USING INK

Without reservoir.....	3/00
With reservoir.....	5/00, 7/00, 8/00
Nibs; filling devices; caps.....	1/00, 17/00, 11/00, 23/00
Manufacture, maintenance.....	13/00, 15/00

SELECTING, PROJECTING, RETRACTING OR LOCKING WRITING UNITS.....24/00

MULTIPLE-POINT WRITING IMPLEMENTS.....27/00

COMBINATIONS

Of writing implements with other articles.....	29/00, 31/00
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1/00 Nibs (continuously-adjustable nibs B43K 17/00);
Writing-points (for indicating or recording apparatus
G01D 15/16) [2]

- 1/01 • with ink reservoirs, e.g. funnel-shaped [6]
- 1/02 • Split nibs
- 1/04 • • with broadened tips
- 1/06 • Tubular writing-points
- 1/08 • with ball points; Balls or ball beds
- 1/10 • Wire nibs
- 1/12 • Writing-points comprising fibres; Felt pads

3/00 Nib holders (holders for continuously-adjustable nibs
B43K 17/00)

- 3/02 • with ink guards
- 3/04 • with retractable nibs (mechanisms for retracting or
locking nibs B43K 24/00)

**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)

- 5/02 • Ink reservoirs
- 5/03 • • specially adapted for concentrated ink, e.g. solid
ink [6]
- 5/04 • • flexible
- 5/06 • • with movable pistons
- 5/08 • • • with ink-supplying valves
- 5/10 • • with reserve ink chambers
- 5/12 • • with ink-level inspection means

- 5/14 • • Exchangeable ink cartridges

- 5/16 • with retractable nibs (mechanisms for retracting or
locking nibs B43K 24/00)

- 5/17 • • with closing means [6]

- 5/18 • Arrangements for feeding the ink to the nibs

7/00 Ball-point pens (multiple-point writing implements
B43K 27/00)

- 7/01 • for low viscosity liquid ink [6]

- 7/02 • Ink reservoirs; Ink cartridges (B43K 7/01 takes
precedence) [6]

- 7/03 • • pressurised, e.g. by gas [5]

- 7/035 • • • the gas acting on a piston [6]

- 7/04 • • Arrangements for refilling the reservoirs, e.g.
arrangements at the ball-point ends

- 7/06 • • Reservoirs with ink-level inspection means
- 7/08 • • Preventing leakage

- 7/10 • Arrangements for feeding the ink to the ball points
(B43K 7/01 takes precedence) [6]

- 7/12 • with retractable ball points (mechanisms for
retracting or locking ball points B43K 24/00)

8/00 Pens with writing-points other than nibs or balls
(brushes with reservoir for supplying substances
A46B 11/00)

- 8/02 • with writing-points comprising fibres, felt, or similar
porous or capillary material (B43K 8/22 takes
precedence) [2, 5]

- 8/03 • • Ink reservoirs; Ink cartridges [6]

- 8/04 • • Arrangements for feeding ink to writing-points [5]

- 8/06 • • • Wick feed from within reservoir to writing-points [5]
- 8/08 • • • Wick separate from writing-points [5]
- 8/10 • • • including compartment for soluble solid material [5]
- 8/12 • • • writing-points or writing-point units being separable from reservoir [5]
- 8/14 • with coreless tubular writing-points [5]
- 8/16 • with tubular writing-points comprising a movable cleaning element [5]
- 8/18 • • Arrangements for feeding the ink to the writing-points [5]
- 8/20 • with roller writing-points [5]
- 8/22 • with electrically or magnetically activated writing-points [5]
- 8/24 • characterised by the means for retracting writing-points [5]
- 11/00 Filling devices** (ink receptacles B43L 25/00)
- 13/00 Devices for removing nibs; Devices for cleaning nibs, e.g. by wiping** (ink receptacles with pen-wiping means B43L 25/12) [3]
- 13/02 • for cleaning nibs, e.g. ink reservoirs therein [6]
- 15/00 Assembling, finishing, or repairing pens**
- 15/02 • Automatic machines
- 17/00 Continuously-adjustable nibs, e.g. for drawing-pens; Holders therefor** (features common to fountain-pens B43K 5/00)
- 17/01 • Nibs with ink reservoirs [6]
- 17/02 • Nibs having more than two legs
- 17/04 • Holders with arrangements for drawing dotted lines
- 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) [2]
- 19/02 • Pencils with graphite; Coloured pencils
- 19/04 • Pencils with metallic writing-core
- 19/06 • • the writing-core being made from substance wearing off during use
- 19/08 • • the writing-core being made from wear-resistant substances
- 19/10 • • • equipped with ball point (using ink B43K 1/08, B43K 7/00)
- 19/12 • Slate pencils
- 19/14 • Sheathings
- 19/16 • Making non-propelling pencils (making slate-pencil writing-cores B28D)
- 19/18 • • Making pencil writing-cores
- 21/00 Propelling pencils** (projecting mechanisms for writing units B43K 24/00; multiple-point writing implements B43K 27/00)
- 21/02 • Writing-core feeding mechanisms
- 21/027 • • with sliding tube-like writing-core guide [5]
- 21/033 • • • with automatic feed by pressure during use of pencil [5]
- 21/04 • • with the writing-cores brought into position by gravity
- 21/06 • • with the writing-cores fed by means sliding in longitudinally-slotted casings
- 21/08 • • with the writing-cores fed by screws
- 21/10 • • • with separate writing-core remnants ejecting-bar
- 21/12 • • • with means preventing overwinding
- 21/14 • • • with writing-cores automatically replaced from magazines
- 21/16 • • with stepwise feed of writing-cores
- 21/18 • • • having ratchet means
- 21/20 • • • with writing-cores automatically replaced from magazines
- 21/22 • • Writing-cores gripping means, e.g. chucks
- 21/24 • Assembling, finishing, or repairing propelling pencils (making pencil writing-cores B43K 19/18)
- 21/26 • • Automatic machines
- 23/00 Holders or connectors for writing implements; Means for protecting the writing-points**
- 23/004 • Holders specially adapted for assisting handicapped or disabled persons to write (B43L 15/00 takes precedence) [6]
- 23/008 • Holders comprising finger grips (B43K 23/004, B43K 23/012 take precedence) [6]
- 23/012 • Holders for attachment to finger tips (B43K 23/004 takes precedence) [6]
- 23/016 • Holders for crayons or chalks (B43K 23/004-B43K 23/012, B43K 23/02 take precedence) [6]
- 23/02 • with means for preventing rolling (B43K 23/004-B43K 23/012 take precedence) [6]
- 23/04 • • enabling the writing implement to be set upright
- 23/06 • Means for connecting two or more writing implements [6]
- 23/08 • Protecting means, e.g. caps [6]
- 23/10 • • for pencils [6]
- 23/12 • • for pens [6]
- 24/00 Mechanisms for selecting, projecting, retracting or locking writing units [6]**
- 24/02 • for locking a single writing unit in only fully projected or retracted positions
- 24/03 • • operated by flicking or tilting [6]
- 24/04 • • operated by means sliding in longitudinally-slotted casings
- 24/06 • • operated by turning means
- 24/08 • • operated by push-buttons
- 24/10 • for selecting, projecting and locking several writing units
- 24/12 • • operated by means sliding in longitudinally-slotted casings
- 24/14 • • operated by turning means
- 24/16 • • operated by push-buttons
- 24/18 • • and for feeding the writing cores
- 25/00 Attaching writing implements to wearing apparel or objects involving constructional changes of the implements** (protecting means, e.g. caps, B43K 23/08; fastening articles to wearing apparel A45F 5/02)
- 25/02 • Clips [6]
- 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)
- 27/02 • Combinations of pens and pencils
- 27/04 • Combinations of pencils (writing-core feed mechanisms B43K 21/02)
- 27/08 • Combinations of pens
- 27/12 • • of ball-point pens [3]

29/00 Combinations of writing implements with other articles

- 29/007 • with advertising means [6]
- 29/013 • with stamping means [6]
- 29/02 • with rubbers
- 29/04 • with blotters
- 29/05 • with applicators for eradicating- or correcting-liquid [6]
- 29/06 • with sharpening devices (with erasing knives B43K 29/18; pocket knives with pencils B26B)
- 29/08 • with measuring, computing or indicating devices
- 29/087 • • for indicating time, e.g. with calendars or watches [6]
- 29/093 • • with calculators [6]

- 29/10 • with illuminating devices
- 29/12 • with memorandum appliances (with book covers B42D)
- 29/16 • with lighters
- 29/18 • with hand tools, e.g. erasing knives (with pocket knives B26B)
- 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)

31/00 Writing implement receptacles functioning as, or combined with, writing implements (other writing implement receptacles A45C 11/34, A45C 11/36)