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

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)