COOPERATIVE PATENT CLASSIFICATION

PERFORMING OPERATIONS; TRANSPORTING

PRINTING

WRITING OR DRAWING IMPLEMENTS; BUREAU ACCESSORIES

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

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00 Nibs (continuously adjustable nibs B43K 17/00);
Writing-points (for indicating or recording apparatus G01D 15/016)
1/003 . Capillary nibs
1/006 . Porous nibs (B43K 1/12 takes precedence)
1/01 . with ink reservoirs, e.g. funnel-shaped
1/015 . Funnel-shaped reservoirs
1/02 . Split nibs
1/04 . with broadened tips
1/06 . Tubular writing-points
1/08 . with ball points; Balls or ball beds ((B43M 11/085 takes precedence)
1/082 . Balls
1/084 . Ball beds
1/086 . with resilient supporting means for the ball, e.g. springs
1/088 . with an intermediate element between the resilient supporting means and the ball
1/10 . Wire nibs
1/12 . Writing-points comprising fibres; Felt pads

3/00 Nib holders (holders for continuously adjustable nibs B43K 17/00)
3/005 . Nib pinchers
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)
5/005 . Pen barrels
5/02 . Ink reservoirs
5/025 . with multiple colours
5/03 . specially adapted for concentrated ink, e.g. solid ink
5/04 . flexible
5/06 . with movable pistons {for withdrawing ink from an ink-receptacle (B43K 5/1818 takes precedence)}
5/08 . with ink-supplying valves {(B43K 5/145 takes precedence)}
5/10 . with reserve ink chambers
5/12 . with ink-level inspection means
5/14 . Exchangeable ink cartridges
5/145 . with valves
5/16 . with retractable nibs (mechanisms for retracting or locking nibs B43K 24/00)
5/165 . with detachable means, e.g. caps, co-operating with the writing element
5/17 . with closing means {(B43K 5/165 takes precedence)}
5/18 . Arrangements for feeding the ink to the nibs
5/1809 . Feed bars
5/1818 . Mechanical feeding means, e.g. valves; Pumps
5/1827 . Valves
5/1836 . automatically closing
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)
5/1854 . mounted on ink-cartridges
5/1863 . opened by actuation of the rear-side of the pen
5/1872 . mounted on ink-cartridges
5/1881 . when the writing point points upwards
5/189 . Pumps

7/00 Ball-point pens ((B43M 11/085 takes precedence); multiple-point writing implements B43K 27/00)
7/005 . Pen barrels
7/01 . for low viscosity liquid ink
7/02 . Ink reservoirs; Ink cartridges (B43K 7/01 takes precedence)
7/03 . pressurised, e.g. by gas
7/035 . the gas acting on a piston
8/00 Pens with writing-points other than nibs or nibs (brus
hces with reservoir for supplying substances A66B 11/00)
8/003 . [Pen barrels]
8/006 . [using a spraying system, e.g. airbrushes]
8/02 . with writing-points comprising fibres, felt, or similar porous or capillary material
(B43K 8/22 takes precedence)
8/022 . [with writing-points comprising fibres]
8/024 . [with writing-points comprising felt]
8/026 . [with writing-points comprising capillary material]
8/028 . [Movable closure or gate]
8/03 . Ink reservoirs; Ink cartridges
8/04 . Arrangements for feeding ink to writing-points
8/06 . . . Wick feed from within reservoir to writing-points
8/08 . . . Wick separate from writing-points
8/10 . . . including compartment for soluble solid material
8/12 . . . writing-points or writing-point units being separable from reservoir
8/14 . with coreless tubular writing-points
8/143 . [Arrangements for feeding the ink to the writing-points]
8/146 . [Ink cartridges, ink reservoirs]
8/16 . with tubular writing-points comprising a movable cleaning element
8/165 . [Ink cartridges, ink reservoirs]
8/18 . Arrangements for feeding the ink to the writing-points
8/20 . with roller writing-points
8/22 . with electrically or magnetically activated writing-points
8/24 . characterised by the means for retracting writing-points
11/00 Filling devices (ink receptacles B43L 25/00)
11/005 . [for refilling capillary reservoirs]
13/00 Devices for removing nibs; Devices for cleaning nibs, e.g. by wiping (ink receptacles with pen-wiping means B43L 25/12)
13/005 . [for extracting nibs]
13/02 . for cleaning nibs, e.g. ink reservoirs therein
15/00 Assembling, finishing, or repairing pens
15/02 . Automatic machines
17/00 Continuously-adjustable nibs, e.g. for drawing-pens; Holders therefore (features common to fountain pens B43K 5/00)
17/005 . [continuously-adjustable nibs]
17/01 . Nibs with ink reservoirs
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 composition, chalk compositions C09D 13/00)
19/003 . [Chalks]
19/006 . [with single short leads]
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
19/145 . . . (with paper sheaths)
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)
21/003 . [with lead sections or lead cartridges]
21/006 . [Pencil-barrels]
21/02 . Writing-core feeding mechanisms
21/027 . . . with sliding tubelike writing-core guide
21/033 . . . with automatic feed by pressure during use of pencil
21/04 . with the writing-cores brought into position by gravity
21/045 . . . [with writing-cores automatically replaced from magazines]
21/06 . with the writing-cores fed by means sliding in longitudinally-slotted casings
21/08 . with the writing-cores fed by screws
21/085 . . . [with a threaded propelling shank]
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 (B43K 27/003 takes precedence)
23/001 . [Supporting means (bracelets with means for attaching a writing instrument or a memo pad A44C 5/006)]
23/002 . . . [with a fixed base]
23/004 . Holders specially adapted for assisting handicapped or disabled persons to write (B43L 15/00 takes precedence)
Mechanisms for selecting, projecting, retracting or locking writing units

24/02 . for locking a single writing unit in only fully projected or retracted positions
24/023 . . [with a deformable barrel]
24/026 . . [with a sleeve sliding on the forward end of the lead]
24/03 . . operated by flicking or tilting
24/04 . . operated by means sliding in longitudinally-slotted casings
24/06 . . operated by turning means
24/08 . . operated by push-buttons
24/082 . . . [placed on the side]
24/084 . . . [with saw-like or analogous cams]
24/086 . . . [with heart-shaped cams, balls]
24/088 . . . [with spreading spring means]
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
24/143 . . . [with two-way threads]
24/146 . . . [with cam control]
24/16 . . operated by push-buttons
24/163 . . . [with one push-button for each writing unit]
24/166 . . . [selection by gravity with a pendulum or the like]
24/18 . . . and for feeding the writing-cores
24/183 . . . [with push-buttons]
24/186 . . . [with a revolving barrel]

Attaching writing implements to wearing apparel or objects involving constructional changes of the implements (protecting means, e.g. caps B43K 23/008; garment-holding devices A44B 99/00; fastening articles to wearing apparel A45F 5/02)

25/02 . Clips
25/022 . . [attached to a pen cap]
25/024 . . [detachably secured to the writing tool]
25/026 . . [combined with other objects]
25/028 . . [combined with means for propelling, projecting or retracting the writing unit]