COOPERATIVE PATENT CLASSIFICATION

PERFORMING OPERATIONS; TRANSPORTING
(NOTES omitted)

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 15/16)
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

3/00Nib holders (holders for continuously adjustable nibs B43K 17/00)
3/005 . [Nib pinchers]
3/02 . with ink reservoirs
3/04 . with retractable nibs (mechanisms for retracting or locking nibs B43K 24/00)

5/00Pens 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 moveable 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 balls (brushes with reservoir for supplying substances A46B 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 therefor (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 compositions, 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 50046)] 
23/002 . [with a fixed base] 
23/004 . Holders specially adapted for assisting handicapped or disabled persons to write (B43L 15/00 takes precedence)
Attaching writing implements to wearing apparel or objects involving constructional changes of the implements (protecting means, e.g. caps B43K 23/004; 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]