

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

SHAPING

B26 HAND CUTTING TOOLS; CUTTING; SEVERING

B26B HAND-HELD CUTTING TOOLS NOT OTHERWISE PROVIDED FOR (for harvesting [A01D](#); for horticulture, for forestry [A01G](#); for butchering or meat treatment [A22](#); for manufacturing or repairing footwear [A43D](#); nail clippers or cutters [A45D 29/02](#); kitchen equipment [A47J](#); {vegetable slicers, julienne cutters and similar devices and holders therefor, [B26D 3/28](#)}; for surgical purposes [A61B](#); for metal [B23D](#); cutting by abrasive fluid jets [B24C 5/02](#); plier-like tools with cutting edges [B25B 7/22](#); pincers [B25C 11/02](#); handles for hand implements, in general [B25G](#); guillotine-type cutters [B26D](#); {perforating by non-mechanical means, e.g. by fluid jet, [B26F 1/26](#)}; for erasing [B43L 19/00](#); for textile materials [D06H](#))

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.

Hand knives

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| <p>1/00 Hand knives with adjustable blade; Pocket knives (B26B 11/00 takes precedence)</p> <p>1/02 . with pivoted blade</p> <p>1/04 . . lockable in adjusted position</p> <p>1/042 . . . {by a spring biased locking lever pivoting around an axis parallel to the pivot axis of the blade}</p> <p>1/044 . . . {by a spring tongue snapping behind or into the tang of the blade from a side part of the handle}</p> <p>1/046 . . . {with a locking member acting in axial direction parallel to the pivot axis of the blade}</p> <p>1/048 . . . {with a locking member being slidable or movable along the handle}</p> <p>1/06 . . with loosely-inserted spring</p> <p>1/08 . with sliding blade {(with detachable blades B26B 5/001)}</p> <p>1/10 . Handles</p> <p>3/00 Hand knives with fixed blades {(handles, attaching the handles B25G)}</p> <p>3/02 . Table-knives (B26B 9/02 takes precedence)</p> <p>3/03 . specially adapted for cutting-off slices one by one</p> <p>3/04 . for performing several incisions simultaneously; Multiple-blade knives</p> <p>3/06 . Scout or similar sheath knives (sheaths therefor B26B 29/02)</p> <p>3/08 . specially adapted for cutting cardboard, or wall, floor, or like covering materials</p> <p>5/00 Hand knives with one or more detachable blades</p> <p>5/001 . {with blades being slid out of handle immediately prior to use}</p> <p>5/002 . . {segmented blades}</p> <p>5/003 . . {comprising retraction means for the blade or the blade holder}</p> | <p>5/005 . {specially adapted for cutting cardboard, or wall, floor or like covering materials}</p> <p>5/006 . {specially adapted for using razor blades as blades (B26B 5/001 takes precedence)}</p> <p>5/007 . {for cutting slices one by one}</p> <p>5/008 . {for performing several incisions simultaneously; for cutting cubes}</p> <p>7/00 Hand knives with reciprocating motor-driven blades</p> <p>7/005 . {Counter reciprocating blades}</p> <p>9/00 Blades for hand knives</p> <p>9/02 . characterised by the shape of the cutting edge, e.g. wavy</p> <p>11/00 Hand knives combined with other implements, e.g. with corkscrew, with scissors, with writing implement (combined table-ware A47G 21/06)</p> <p>11/001 . {of the Swiss-knife type}</p> <p>11/003 . {having folding handles}</p> <p>11/005 . {Handle also acting as a part of a scissors}</p> <p>11/006 . {Several functions combined in the blade}</p> <p>11/008 . {comprising electronic or electrical features, e.g. illuminating means, computing devices or sensors}</p> <p>Hand shears; Scissors (for horticultural purposes A01G; bone shears A22C 17/06; metal shears B23D)</p> <p>13/00 Hand shears; Scissors</p> <p>13/005 . {Pocket or folding scissors}</p> <p>13/02 . with moulded-in blades</p> <p>13/04 . with detachable blades</p> <p>13/06 . characterised by the shape of the blades</p> <p>13/08 . . with cutting edges wavy or toothed in the plane of the blade</p> <p>13/10 . . for producing wavy, zig-zag, or like cuts</p> <p>13/12 . characterised by the shape of the handles</p> |
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- 13/14 . . without gripping bows in the handle
- 13/16 . . . spring loaded, e.g. with provision for locking the blades or the handles
- 13/18 . . . without joint, i.e. having blades interconnected by a resilient member
- 13/20 . . with gripping bows in the handle
- 13/22 . combined with auxiliary implements, e.g. with cigar cutter, with manicure instrument ([cigar cutters per se A24F 13/24](#))
- 13/24 . . to aid hair cutting
- 13/26 . with intermediate links between the grips and the blades, e.g. for remote actuation
- 13/28 . Joints ([B25B 7/06 takes precedence](#))
- 13/285 . . {with means for applying pressure on the blades; with means for producing "drawing-cut" effect}
- 15/00 Hand-held shears with motor-driven blades**
- 17/00 Hand cutting tools {, i.e. with the cutting action actuated by muscle power} with two jaws which come into abutting contact (nail clippers or cutters [A45D 29/02](#); joints therefor [B25B 7/06](#))**
- 17/003 . {manually operated tools specially adapted for separating nuts attached to each other, e.g. by rust ([nut crackers A47J 43/26](#))}
- 17/006 . {having cutting edges parallel to a pivot axis}
- 17/02 . with jaws operated indirectly by the handles, e.g. through cams or toggle levers
- 19/00 Clippers or shavers operating with a plurality of cutting edges, e.g. hair clippers, dry shavers**
- 19/02 . of the reciprocating-cutter type
- 19/04 . . Cutting heads therefor; Cutters therefor; Securing equipment thereof
- 19/042 . . . {Long hair cutters or older types comprising a cutting grid}
- 19/044 . . . {Manufacture and assembly of cutter blocks}
- 19/046 . . . {Cutters being movable in the cutting head}
- 19/048 . . . {Complete cutting head being movable}
- 19/06 . . . involving co-operating cutting elements both of which have shearing teeth
- 19/063 {Movable or adjustable cutting head}
- 19/066 {Manually operated}
- 19/08 of nipper type
- 19/10 . . . involving two or more different types of reciprocating cutting elements, e.g. a pair of toothed shearing elements combined with a pair of perforated cutting elements or a combined toothed and perforated cutting assembly
- 19/102 {with a secondary cutting unit being translated or slid into an operating position}
- 19/105 {with a secondary cutting unit being rotated into an operating position}
- 19/107 {with means for selectively engaging the drive for a fixed-position secondary cutting unit}
- 19/12 . of the oscillating- cutter type; Cutting heads therefor; Cutters therefor ([B26B 19/04 takes precedence](#))
- 19/14 . of the rotary-cutter type; Cutting heads therefor; Cutters therefor ([B26B 19/04 takes precedence](#))
- 19/141 . . {Details of inner cutters having their axes of rotation perpendicular to the cutting surface}
- 19/143 . . {Details of outer cutters}
- 19/145 . . {Cutters being movable in the cutting head}
- 19/146 . . {Complete cutting head being movable}
- 19/148 . . {specially adapted for removing hair from inaccessible places, e.g. nostrils}
- 19/16 . . involving a knife cylinder or a knife cone or separate cutting elements moved like a rotating cylinder or a rotating cone
- 19/18 . . . in combination with a fixed razor-blade without shearing perforations
- 19/20 . with provision for shearing hair of preselected or variable length
- 19/205 . . {by adjustment of the cutting members}
- 19/22 . with provision for thinning-out hair
- 19/24 . specially adapted for shearing animals, e.g. sheep
- 19/26 . of the type performing different methods of operation simultaneously, e.g. reciprocating and oscillating; of the type having two or more heads of differing mode of operation
- 19/265 . . {of the type having two or more heads of differing mode of operation}
- 19/28 . Drive layout for hair clippers or dry shavers, e.g. providing for electromotive drive ([electric motors per se H02](#))
- 19/282 . . {Motors without a rotating central drive shaft, e.g. linear motors}
- 19/284 . . . {with an actuator oscillating about a pivot axis}
- 19/286 . . {providing for two or more different electrical power sources}
- 19/288 . . {Balance by opposing oscillation}
- 19/30 . . providing for muscle drive, e.g. by rolling over the skin
- 19/32 . . providing for mechanical drive, e.g. installation of a spring motor
- 19/34 . . providing for fluid drive
- 19/36 . . providing for remote drive by means of a flexible shaft; Transmission means therefor
- 19/38 . Details of, or accessories for, hair clippers, or dry shavers, e.g. housings, casings, grips, guards ([cutters, cutting heads B26B 19/04](#), [B26B 19/12](#), [B26B 19/14](#); [cleaning or disinfecting devices A45D 27/46](#); [drying devices A45D 27/48](#); [casings for electric apparatus in general H05K](#))
- 19/3806 . . {Accessories}
- 19/3813 . . . {Attachments}
- 19/382 . . . {Built-in accessories}
- 19/3826 . . . {Separate accessories}
- 19/3833 . . . {Storage and cleaning devices; Power cord storage}
- 19/384 . . {Dry-shaver foils; Manufacture thereof}
- 19/3846 . . {Blades; Cutters ([B26B 19/044](#), [B26B 19/141 take precedence](#))}
- 19/3853 . . {Housing or handle}
- 19/386 . . . {Means for attaching the head thereto}
- 19/3866 . . . {Seals or dampers}
- 19/3873 . . {Electric features; Charging; Computing devices}
- 19/388 . . . {Sensors; Control}
- 19/3886 . . {Actuating members, e.g. switches or control knobs}
- 19/3893 . . {Manufacturing of shavers or clippers or components thereof}
- 19/40 . . Lubricating
- 19/42 . . providing for straightening the hair to be cut, e.g. by means of bristles; providing for tensioning the skin, e.g. by means of rollers, ledges ([skin-stretchers for shaving per se A45D 27/38](#))

- 19/44 . . Suction means for collecting severed hairs or for the skin to be shaved
- 19/46 . . providing for illuminating the area to be shaved or clipped
- 19/48 . . Accessory implements for carrying out a function other than cutting hair, e.g. attachable appliances for manicuring ([massage means per se A61H 7/00 - A61H 23/00](#))
- 21/00 Razors of the open or knife type; Safety razors or other shaving implements of the planing type; Hair-trimming devices involving a razor-blade; Equipment therefor**
- 21/02 . involving unchangeable blades
- 21/04 . . Razors of the knife type
- 21/06 . . Safety razors with fixed blade, e.g. with moulded-in blade
- 21/08 . involving changeable blades
- 21/10 . . Safety razors with one or more blades arranged longitudinally to the handle
- 21/12 . . . combined with combs or other means for hair trimming
- 21/125 {Razor blades attached to ordinary combs}
- 21/14 . . Safety razors with one or more blades arranged transversely to the handle
- 21/16 . . . involving blades with only one cutting edge ([B26B 21/22 - B26B 21/38 take precedence](#))
- 21/165 {with the blade moulded into, or attached to, a changeable unit}
- 21/18 . . . involving blades with two cutting edges ([B26B 21/22 - B26B 21/38 take precedence](#))
- 21/185 {with adjustable guard clearance; with variable angle of rake}
- 21/20 . . . involving blades with more than two cutting edges; involving disc blades ([B26B 21/22 - B26B 21/38 take precedence](#))
- 21/22 . . . involving several blades to be used simultaneously
- 21/222 {with the blades moulded into, or attached to, a changeable unit ([B26B 21/4006 takes precedence](#))}
- 21/225 {the changeable unit being resiliently mounted on the handle}
- 21/227 {with blades being resiliently mounted in the changeable unit}
- 21/24 . . . of the magazine type; of the injector type ([containers for storing razor-blades A45D 27/24](#))
- 21/26 . . . of the continuous ribbon type
- 21/28 . . . of the drawing cut type, i.e. with the cutting edge of the blade arranged obliquely {or curved} to the handle
- 21/30 . . . of the type carrying pivotally-mounted caps
- 21/32 in razors involving double-edged blades
- 21/34 . . . of the type carrying rollers
- 21/36 with provision for reciprocating the blade ([reciprocating the cutting elements of clippers or dry shavers B26B 19/00](#))
- 21/38 . . . with provision for reciprocating the blade by means other than rollers ([reciprocating the cutting elements of clippers or dry shavers B26B 19/00](#))
- 21/40 . Details or accessories
- 21/4006 . . {Blades or blade units with discontinuous cutting edges, e.g. wire-wrapped, notches}
- 21/4012 . . {Housing details, e.g. for cartridges}
- 21/4018 . . . {Guard elements}
- 21/4025 . . . {Cap elements}
- 21/4031 . . . {characterised by special geometric shaving parameters, e.g. blade span or exposure}
- 21/4037 . . {Details or parts covering the blades, e.g. caps for storage; Attachments}
- 21/4043 . . {Contour trimming}
- 21/405 . . {Electric features; Charging; Computing devices}
- 21/4056 . . . {Sensors or controlling means}
- 21/4062 . . {Actuating members, e.g. switches or control knobs; Adjustments}
- 21/4068 . . {Mounting devices; Manufacture of razors or cartridges ([B26B 21/528 takes precedence](#))}
- 21/4075 . . . {Mounting devices}
- 21/4081 . . {Shaving methods; Usage or wear indication; Testing methods}
- 21/4087 . . . {Usage or wear indication}
- 21/4093 . . . {Testing of shaving razors or components thereof}
- 21/42 . . for cutting hair of preselected or variable length ([combs, stencils or guides specially adapted for hair trimming devices A45D 24/36](#))
- 21/44 . . Means integral with, or attached to, the razor for storing shaving-cream, styptic, or the like
- 21/443 . . . {Lubricating strips attached to the razor head}
- 21/446 . . . {Shaving aid stored in the razor handle}
- 21/46 . . for illuminating the skin ([B26B 19/46 takes precedence](#))
- 21/48 . . Heating means
- 21/50 . . Means integral with, or attached to, the razor for stropping the blade
- 21/52 . . Handles, e.g. tiltable, flexible ([handles and attaching handles in general B25G](#))}
- 21/521 . . . {Connection details, e.g. connection to razor heads}
- 21/522 . . . {Ergonomic details, e.g. shape, ribs or rubber parts}
- 21/523 . . . {Extendible or foldable handles; Extensions}
- 21/525 . . . {for longitudinally arranged cutting edges}
- 21/526 . . . {Electric features}
- 21/527 . . . {attachable to fingers or to the human hand}
- 21/528 . . . {Manufacture of razor handles}
- 21/54 . Razor-blades ([B26B 21/4006 takes precedence](#))}
- 21/56 . . characterised by the shape
- 21/565 . . . {Bent razor blades; Razor blades with bent carriers}
- 21/58 . . characterised by the material
- 21/60 . . . by the coating material
- 23/00 Axes; Hatchets ([attaching of the handles B25G](#))}**
- 25/00 Hand cutting tools involving disc blades, e.g. motor-driven (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed [B25F 5/00](#))**
- 25/002 . {Motor-driven knives with a rotating annular blade}
- 25/005 . {Manually operated, e.g. pizza cutters}
- 25/007 . . {Operable only in combination with guiding means, e.g. paper cutters}
- 27/00 Hand cutting tools not provided for in the preceding groups, e.g. finger rings for cutting string, devices for cutting by means of wires**

- 27/002 . {Tools using wires as cutting means}
- 27/005 . {Carton openers}
- 27/007 . {with handles specifically adapted to be attached to a human hand or finger, e.g. thimbles (for razors [B26B 21/527](#))}

- 29/00** **Guards or sheaths {or guides} for hand cutting tools; Arrangements for guiding hand cutting tools (guards for hair clippers or dry shavers [B26B 19/38](#))**
- 29/02 . Guards or sheaths for knives
- 29/025 . . {Knife sheaths or scabbards}
- 29/04 . Guards or sheaths for scissors, e.g. combined with manicuring appliances (manicuring implements [per se A45D 29/00](#))
- 29/06 . Arrangements for guiding hand cutting tools (guiding equipment or arrangements for specific cutting tools, [see the particular places](#), e.g. for hair trimming devices [A45D 24/36](#), for saw blades [B27B 11/02](#), [B26B 13/10](#))

- 29/063 . . {Food related applications}
- 2029/066 . . {for slicing bread}