

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](#))

Hand knives

1/00 Hand knives with adjustable blade; Pocket knives ([B26B 11/00](#) takes precedence)

- 1/02 . with pivoted blade
- 1/04 . . lockable in adjusted position
- 1/042 . . . {by a spring biased locking lever pivoting around an axis parallel to the pivot axis of the blade}
- 1/044 . . . {by a spring tongue snapping behind or into the tang of the blade from a side part of the handle}
- 1/046 . . . {with a locking member acting in axial direction parallel to the pivot axis of the blade}
- 1/048 . . . {with a locking member being slidable or movable along the handle}
- 1/06 . . with loosely-inserted spring
- 1/08 . with sliding blade {(with detachable blades [B26B 5/001](#))}
- 1/10 . Handles

3/00 Hand knives with fixed blades {(handles, attaching the handles [B25G](#))}

- 3/02 . Table-knives ([B26B 9/02](#) takes precedence)
- 3/03 . specially adapted for cutting-off slices one by one
- 3/04 . for performing several incisions simultaneously; Multiple-blade knives
- 3/06 . Scout or similar sheath knives (sheaths therefor [B26B 29/02](#))
- 3/08 . specially adapted for cutting cardboard, or wall, floor, or like covering materials

5/00 Hand knives with one or more detachable blades

- 5/001 . {with blades being slid out of handle immediately prior to use}
- 5/002 . . {segmented blades}
- 5/003 . . {comprising retraction means for the blade or the blade holder}
- 5/005 . {specially adapted for cutting cardboard, or wall, floor or like covering materials}
- 5/006 . {specially adapted for using razor blades as blades ([B26B 5/001](#) takes precedence)}

- 5/007 . {for cutting slices one by one}
- 5/008 . {for performing several incisions simultaneously; for cutting cubes}

7/00 Hand knives with reciprocating motor-driven blades

- 7/005 . {Counter reciprocating blades}

9/00 Blades for hand knives

- 9/02 . characterised by the shape of the cutting edge, e.g. wavy

11/00 Hand knives combined with other implements, e.g. with corkscrew, with scissors, with writing implement (combined table-ware [A47G 21/06](#))

- 11/001 . {of the Swiss-knife type}
- 11/003 . {having folding handles}
- 11/005 . {Handle also acting as a part of a scissors}
- 11/006 . {Several functions combined in the blade}
- 11/008 . {comprising electronic or electrical features, e.g. illuminating means, computing devices or sensors}

Hand shears; Scissors (for horticultural purposes [A01G](#); bone shears [A22C 17/06](#); metal shears [B23D](#))

13/00 Hand shears; Scissors

- 13/005 . {Pocket or folding scissors}
- 13/02 . with moulded-in blades
- 13/04 . with detachable blades
- 13/06 . characterised by the shape of the blades
- 13/08 . . with cutting edges wavy or toothed in the plane of the blade
- 13/10 . . for producing wavy, zig-zag, or like cuts
- 13/12 . characterised by the shape of the handles
- 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}