CPC  COOPERATIVE PATENT CLASSIFICATION

B  PERFORMING OPERATIONS; TRANSPORTING
(NOTES omitted)

SHAPING

B27  WORKING OR PRESERVING WOOD OR SIMILAR MATERIAL; NAILING OR STAPLING MACHINES IN GENERAL

B27B  SAWS FOR WOOD OR SIMILAR MATERIAL; COMPONENTS OR ACCESSORIES THEREOF (saws specially adapted for pruning or debranching A01G 3/08; sawing apparatus specially adapted for felling trees A01G 23/091; features not restricted to a particular type of wood saw B23D, e.g. attaching saw blades B23D 51/00; machine tool frames, beds, pillars or like members, in general B23Q 1/01)

WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
   B27B 33/18 covered by B27B 5/12

2. 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  Methods for subdividing trunks or logs essentially involving sawing (features of machines used, see the relevant groups for the machines)
   1/002  . by cross-cutting (saw benches with non-feedable circular saw blades for cross-cutting laterally fed workpieces B27B 5/228; cross-cutting reciprocating saws with power drive B27B 11/00)
   1/005  . [including the step of dividing the log into sector-shaped segments]
   1/007  . [taking into account geometric properties of the trunks or logs to be sawn, e.g. curvature]

3/00  Gang saw mills; Other sawing machines with reciprocating saw blades, specially designed for length sawing of trunks
   3/02  . with vertically-reciprocating saw frame
   3/04  . with multiple-blade saw frame
   3/06  . with side blade saw frame
   3/08  . combined with multiple-blade saw frame
   3/10  . Saw frames or guides therefor
   3/12  . Mechanisms for producing the reciprocating movement of the saw frame; Arrangements for damping vibration; Arrangements for counter-balancing (B27B 3/26 takes precedence)
   3/14  . Arrangements for raising or lowering the feed rollers
   3/16  . Driving mechanisms for the feed rollers
   3/18  . Controlling equipment, e.g. for controlling the drive
   3/20  . Equipment for guiding the sawn part of timber during machining, e.g. preventing faults due to torsional stress
   3/22  . with horizontally-reciprocating saw frame
   3/24  . Arrangements for raising and lowering the saw frame

3/26  . Mechanisms for producing the reciprocating movement of the saw frame; Arrangements for damping vibrations; Arrangements for counter-balancing
   3/28  . Components
   3/30  . Blade attachments, e.g. saw buckles; Stretching devices
   3/32  . the stretching devices being equipped with screw-threaded or wedging means
   3/34  . the stretching devices being actuated by fluid pressure
   3/36  . Devices for adjusting the mutual distance of the saw blades
   3/38  . Spacing bars; Spacing plates
   3/40  . Devices for adjusting the overhang of the saw

Circular saws

5/00  Sawing machines working with circular [or cylindrical] saw blades (for length sawing of trunks B27B 7/00); Components or equipment therefor
   5/02  . characterised by a special purpose only
   5/04  . for edge trimming [equipment for adjusting the mutual distance between the saw blades B27B 5/34]
   5/06  . for dividing plates in parts of determined size, e.g. panels
   5/061  . [Devices having saws perpendicular to each other (B27B 5/075 takes precedence)]
   5/063  . [Sawing travelling workpieces]
   5/065  . with feedable saw blades, e.g. arranged on a carriage
   5/07  . . . the plate being positioned in a substantially vertical plane (B27B 5/075 takes precedence)
   5/075  . . . characterised by having a plurality of saw blades, e.g. turning about perpendicular axes
Circular saws

5/08 . . . for sawing with the saw blade abutting parallel against a surface of the workpiece

5/10 . . . Wheeled circular saws; Circular saws designed to be attached to tractors or other vehicles and driven by same ([saw assemblies designed to be mounted on or driven by tractors B27B.11/12])

5/12 . Cylinder saws ([B27C.1/007 takes precedence])

5/14 . Rim-driven circular saws

5/16 . Saw benches (B27B.15/06 takes precedence)

5/165 . . . [Convertible sawing devices]

5/18 . . . with feedable circular saw blade, e.g. arranged on a carriage

5/181 . . . [the saw blade being arranged underneath a work-table]

5/182 . . . [the saw blade performing a pivoting movement only]

5/184 . . . [the saw blade performing a rectilinear movement only]

5/185 . . . [the saw blade being carried by a pivoted lever (B27B.5/181 and B27B.5/188 take precedence)]

5/187 . . . [the saw blade being fitted on a movable carriage (B27B.5/181 takes precedence)]

5/188 . . . [the saw blade being mounted on a hanging arm or at the end of a set of bars, e.g. parallelograms]

5/20 . . . the saw blade being adjustable according to depth or angle of cut; Radial saws, i.e. sawing machines with a pivoted radial arm for guiding the movable carriage

5/201 . . . [Radial sawing machines; Machines having a saw blade on an extendable radial arm]

5/202 . . . [with the saw blade underneath a work-table]

5/203 . . . [the saw blade performing a pivoting movement only]

5/205 . . . [the saw blade performing a rectilinear movement only]

5/206 . . . [the saw blade being carried by a pivoted lever (B27B.5/208 takes precedence)]

5/207 . . . [the saw blade being fitted on a movable carriage]

5/208 . . . [the saw blade being mounted on a hanging arm or at the end of a set of bars, e.g. parallelograms]

5/22 . . . with non-feedable circular saw blade

5/222 . . . [the saw blade being arranged underneath the work-table; Guiding arrangements for the work-table]

5/224 . . . [the workpieces being fitted on a pivoting support]

5/226 . . . [the workpieces being radially fed by means of a turning drum]

5/228 . . . [Cross-cutting automatically laterally-fed travelling workpieces; Reducing lumber to desired lengths]

5/24 . . . the saw blade being adjustable according to depth or angle of cut

5/243 . . . [the saw blade being arranged underneath the work-table (the circular saw blade arranged underneath a stationary work-table for sawing material in general B23D.45/06)]

5/246 . . . [End cutting of automatically laterally-fed travelling workpieces]
Band or strap sawing machines

15/00 Band or strap sawing machines specially designed for length cutting of trunks
15/02 . with horizontally-guided saw blade, i.e. horizontal log band saw
15/04 . with vertically-guided saw blade
15/06 . in combined arrangement with circular saws for performing simultaneously several sawing procedures
15/08 . with a plurality of band saw blades
17/00 Chain saws; Equipment therefor ([slotting or mortising machines equipped with chain cutters B27F 5/06])
17/0008 . (Means for carrying the chain saw, e.g. handles (B27B 17/0033 takes precedence))
17/0016 . (Devices to adapt the chain saw for other purposes, e.g. drilling)
17/0025 . [Length measuring devices incorporated in the chain saw]
17/0033 . (Devices for attenuation of vibrations)
17/0041 . (Saw benches or saw bucks)
17/005 . . [with the saw mounted on a carriage]
17/0058 . . [with the saw being pivotally mounted]
17/0066 . . [with the saw mounted upright]
17/0075 . . [the workpiece being held in a cantilever manner]
17/0083 . [Attachments for guiding or supporting chain saws during operation]
17/0091 . [Wheeled chain saws; Chain saws mounted on or driven by vehicles, e.g. for sawing trees in situ]
17/02 . Chain saws equipped with guide bar (B27B 17/06 takes precedence)
17/025 . . [Composite guide bars, e.g. laminated, multi-sectioined; Guide bars of diverse material]
17/04 . . Roller bearing guides
17/06 . Chain saws mounted on a bow
17/08 . Drives or gearings; Devices for swivelling or tilting the chain saw
17/083 . . [Devices for arresting movement of the saw chain]
17/086 . . [Angle drives]
17/10 . Transmission clutches specially designed for chain saws
17/12 . Lubricating devices specially designed for chain saws
17/14 . Arrangements for stretching the chain saw
19/00 Other reciprocating saws with power drive; Fretsaws
19/002 . [Power-driven hand saws]
19/004 . . [in which the saw blade is chucked at both ends]
19/006 . [with oscillating saw blades; Hand saws with oscillating saw blades]
19/008 . . [having a plurality of saw blades or saw blades having plural cutting zones]
19/02 . Saws with a power-driven blade chucked at both ends or at one end only, e.g. jig saws, scroll saws (B27B 19/10 takes precedence)
19/04 . . characterised by power drive, e.g. by electromagnetic drive
19/06 . Stationary machines
19/065 . . . [hand-operated or foot-operated]
19/09 . . portable
19/10 . Fret-saws, i.e. with bilaterally chucked saw blade in a manually-guided bow
19/12 . . with power drive
19/14 . . with hand drive
21/00 Hand saws without power drive ([hand saws with oscillating saw blades, B27B 19/14 takes precedence]; Equipment for hand sawing, e.g. saw horses ([work benches B25H 1/00; saw guides B27B 11/02])
21/02 . Buck or hack saws
21/04 . Cross-cut saws; Pad saws
21/06 . Arrangements for stretching the saw blade
21/08 . Arrangements of gauging or adjusting equipment on hand saws, e.g. for limiting the cutting depth
23/00 Other cutting of wood by non-rotary toothed tools; Tools therefor (cutting with hot wire B27M 1/06)
Components or accessories for saws
25/00 Feeding devices for timber in saw mills or sawing machines; Feeding devices for trees ([B27B 29/00], B27B 31/00 take precedence)
25/02 . with feed and pressure rollers
25/04 . with feed chains or belts
25/06 . Resilient feeding or pressing accessories, e.g. pads, springs
25/08 . Feeding devices able to be attached to any sawing machine
25/10 . Manually-operated feeding or pressing accessories, e.g. pushers
27/00 Guide fences or stops for timber in saw mills or sawing machines; Measuring equipment thereon (safety guards or devices specially designed for wood saws B27G 19/00; constructional features of measuring devices G01B)
27/02 . arranged laterally and parallel with respect to the plane of the saw blade
27/04 . arranged perpendicularly to the plane of the saw blade
27/06 . arranged angularly with respect to the plane of the saw blade, e.g. for mitring ([devices for mitring wood B27G 5/00])
27/08 . arranged adjustably, not limited to only one of the groups B27B 27/02 - B27B 27/06
27/10 . Devices for moving or adjusting the guide fences or stops
Components or accessories for saws

B27B

29/00  **Gripping, clamping, or holding devices for the trunk or log in saw mills or sawing machines**  (for other timber, see the relevant groups for the machines; safety guards or devices specially designed for wood saws B27G 19/00; Travelling trunk or log carriages (for logs being held in a cantilever manner B27B 17/0075))

29/02  .  Clamping angles; Gripping equipment thereon
29/04  .  Trunk or log carriages with gripping means which do not pass the saw blade(s), specially for gang saws; Arrangement of gripping accessories thereon
29/06  .  .  Auxiliary trunk or log carriages for carrying initially the log to the feed rollers or for carrying the sawn part of the log
29/08  .  Trunk or log carriages with gripping means designed to pass the saw blade(s), especially for band saws; Arrangement of gripping accessories thereon; Turning devices thereon
29/085  .  .  {Turning devices thereon}
29/10  .  .  Assemblies for laterally adjusting or controlling the clamping or turning devices with respect to the thickness of the board to be sawn

31/00  **Arrangements for conveying, loading, turning, adjusting, or discharging the log or timber, specially designed for saw mills or sawing machines**  (B27B 29/00 takes precedence ; arrangements for raising or lowering the feed rollers of gang saw mills B27B 3/14; driving mechanisms for the feed rollers of gang saw mills B27B 3/16)

31/003  .  .  {with rollers}
31/006  .  .  {with chains or belts}
31/02  .  Loading equipment for travelling carriages
31/04  .  .  Turning equipment ( {turning devices on trunk or log carriages B27B 29/08})
31/06  .  .  Adjusting equipment, e.g. using optical projection (see also B27L 5/022)
31/08  .  .  Discharging equipment

33/00  **Sawing tools for saw mills, sawing machines, or sawing devices**

33/02  .  .  Structural design of saw blades or saw teeth
33/04  .  .  .  Gang saw blades
33/06  .  .  .  Band saw blades
33/08  .  .  .  Circular saw blades
33/10  .  .  .  Hand saw blades
33/12  .  .  .  Saw blades having inserted or exchangeably arranged bits or toothed segments
33/14  .  .  Saw chains ( {saw chains for slotting or mortising devices B27F 5/08})
33/141  .  .  .  {with means to control the depth of cut}
33/142  .  .  .  {Cutter elements}
33/144  .  .  .  .  {having cutting inserts or exchangeable cutting teeth}
33/145  .  .  .  .  {having plural teeth on a single link}
33/147  .  .  .  .  {with incorporated lubricating means}
33/148  .  .  .  .  {with means permitting replacement of cutter elements}
33/16  .  .  Saw wires; Twisted saw strips
33/20  .  .  Edge trimming saw blades or tools combined with means to disintegrate waste