

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

B27B SAWS; COMPONENTS OR ACCESSORIES THEREFOR (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) [5]

SAWS CHARACTERISED BY THE ACTIVE ELEMENT

Reciprocating	3/00, 11/00, 19/00	Other kinds	23/00
Circular	5/00, 7/00, 9/00	PORTABLE OR HAND SAWS	9/00, 21/00
Band or strap	13/00, 15/00	ACTIVE ELEMENTS	23/00, 33/00
Chain	17/00	ACCESSORIES	25/00 31/00
		SAWING TRUNKS OR LOGS, SAWS SPECIALLY ADAPTED THEREFOR	1/00, 3/00, 7/00, 15/00

1/00 Methods for subdividing trunks or logs essentially involving sawing (features of machines used, see the relevant groups for the machines)

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 a 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 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
- 5/06 . . for dividing plates in parts of determined size, e.g. panels
- 5/065 . . . with feedable saw blades, e.g. arranged on a carriage [6]
- 5/07 the plate being positioned in a substantially vertical plane (B27B 5/075 takes precedence) [6]
- 5/075 characterised by having a plurality of saw blades, e.g. turning about perpendicular axes [6]
- 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
- 5/12 . Cylinder saws
- 5/14 . Rim-driven circular saws
- 5/16 . Saw benches (B27B 15/06 takes precedence)
- 5/18 . . with feedable circular saw blade, e.g. arranged on a carriage
- 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
- 5/22 . . with non-feedable circular saw blade
- 5/24 . . . the saw blade being adjustable according to depth or angle of cut
- 5/26 . . . the table being adjustable according to depth or angle of cut
- 5/29 . Details; Component parts; Accessories [2]
- 5/30 . . for mounting or securing saw blades or saw spindles
- 5/32 . . . Devices for securing circular saw blades to the saw spindle
- 5/34 . . . Devices for securing a plurality of circular saw blades on a single saw spindle; Equipment for adjusting the mutual distance

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- 5/36 . . . Mounting for swivelling or tilting the circular saw blade
- 5/38 . . Devices for braking the circular saw blade or the saw spindle; Devices for damping vibrations of the circular saw blade, e.g. silencing
- 7/00 Sawing machines working with circular saw blades, specially designed for length sawing of trunks**
- 7/02 . by making use of circular saws mounted substantially at right angles, e.g. vertically and horizontally
- 7/04 . by making use of a plurality of circular saws mounted on a single spindle; Arrangements for adjusting the mutual distances
- 9/00 Portable power-driven circular saws for manual operation** (details or components, e.g. handles, casings, of portable power-driven tools not particularly related to the operation performed B25F 5/00) [4]
- 9/02 . Arrangements for adjusting the cutting depth or the amount of tilting
- 9/04 . Guiding equipment, e.g. for cutting panels
- 11/00 Cross-cut reciprocating saws with power drive; Appurtenances therefor**
- 11/02 . Arrangements for guiding the saw blade
- 11/04 . . Supports able to be attached to the work
- 11/06 . Arrangements for chucking the saw blade, with or without releasable transmission mechanisms for uncoupling the drive
- 11/08 . Frames, pillars, or beds
- 11/10 . Devices for clamping the work or holding same in position
- 11/12 . Saw assemblies designed to be mounted on or driven by tractors

Band or strap sawing machines

- 13/00 Band or strap sawing machines** (for length cutting of trunks B27B 15/00); **Components or equipment therefor**
 - 13/02 . Frames, Pillars
 - 13/04 . Work-tables; Arrangements for tilting the band saw blade
 - 13/06 . Saw pulleys; Bearings therefor
 - 13/08 . Arrangements for stretching the band saw blade
 - 13/10 . Guiding equipment for the band saw blade, e.g. guide rollers, back guides, side guides
 - 13/12 . Lubricating devices specially designed for band saw blades
 - 13/14 . Braking devices specially designed for band sawing machines, e.g. acting after damage of the band saw blade
 - 13/16 . Accessories, e.g. for cooling the saw blade
 - 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
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- 17/00 Chain saws; Equipment therefor**
 - 17/02 . Chain saws equipped with guide bar (B27B 17/06 takes precedence)
 - 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
- 17/10 . . 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; Fret-saws** (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00) [4]
- 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
- 19/09 . . portable [2]
- 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** (B27B 19/14 takes precedence); **Equipment for hand sawing, e.g. saw horses**
- 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 31/00 takes precedence) [5]
- 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
- 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

- 29/00 Gripping, clamping, or holding devices for the trunk or log in saw mills or sawing machines** (safety guards or devices specially designed for wood saws B27G 19/00; for other timber, see the relevant groups for the machines); **Travelling trunk or log carriages**
- 29/02 . Clamping angles; Gripping equipment thereon
- 29/04 . Trunk or log carriages with gripping means which do not pass the saw blade(s), especially 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
- 29/10 . . 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)
- 31/02 . Loading equipment for travelling carriages
- 31/04 . Turning equipment
- 31/06 . Adjusting equipment, e.g. using optical projection
- 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
- 33/16 . Saw wires; Twisted saw strips
- 33/18 . Saw cylinders having a toothed front rim
- 33/20 . Edge trimming saw blades or tools combined with means to disintegrate waste [2]