SECTION B — PERFORMING OPERATIONS; TRANSPORTING

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]**

Subclass index

SAWS CHARACTERISED BY THE ACTIVE ELEMENT
Reciprocating....3/00, 11/00, 19/00
Circular....5/00, 7/00, 9/00
Band or strap....13/00, 15/00
Chain....17/00
Other kinds....23/00
PORTABLE OR HAND SAWS....9/00, 21/00
ACTIVE ELEMENTS....23/00, 33/00
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
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

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]**