

CPC COOPERATIVE PATENT CLASSIFICATION

B27B **SAWS FOR WOOD OR SIMILAR MATERIAL; 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](#))

1/00	Methods for subdividing trunks or logs essentially involving sawing (features of machines used, see the relevant groups for the machines)	Circular saws
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)}	5/00 Sawing machines working with circular {or cylindrical} saw blades (for length sawing of trunks B27B 7/00); Components or equipment therefor
1/005	• {including the step of dividing the log into sector-shaped segments}	5/02 • characterised by a special purpose only
1/007	• {taking into account geometric properties of the trunks or logs to be sawn, e.g. curvature}	5/04 • • for edge trimming {(equipment for adjusting the mutual distance between the saw blades B27B 5/34)}
3/00	Gang saw mills; Other sawing machines with reciprocating saw blades, specially designed for length sawing of trunks	5/06 • • for dividing plates in parts of determined size, e.g. panels
3/02	• with vertically-reciprocating saw frame	5/061 • • • {Devices having saws perpendicular to each other (B27B 5/075 takes precedence)}
3/04	• • with multiple- blade saw frame	5/063 • • • {Sawing travelling workpieces}
3/06	• • with side blade saw frame	5/065 • • • with feedable saw blades, e.g. arranged on a carriage
3/08	• • • combined with multiple-blade saw frame	5/07 • • • • the plate being positioned in a substantially vertical plane (B27B 5/075 takes precedence)
3/10	• • Saw frames or guides therefor	5/075 • • • • characterised by having a plurality of saw blades, e.g. turning about perpendicular axes
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)	5/08 • • for sawing with the saw blade abutting parallel against a surface of the workpiece
3/14	• • Arrangements for raising or lowering the feed rollers	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)}
3/16	• • Driving mechanisms for the feed rollers	5/12 • Cylinder saws {(B27C 1/007 takes precedence)}
3/18	• • Controlling equipment, e.g. for controlling the drive	5/14 • Rim-driven circular saws
3/20	• • Equipment for guiding the sawn part of timber during machining, e.g. preventing faults due to torsional stress	5/16 • Saw benches (B27B 15/06 takes precedence)
3/22	• with horizontally-reciprocating saw frame	5/165 • • {Convertible sawing devices}
3/24	• • Arrangements for raising and lowering the saw frame	5/18 • • with feedable circular saw blade, e.g. arranged on a carriage
3/26	• • Mechanisms for producing the reciprocating movement of the saw frame; Arrangements for damping vibrations; Arrangements for counter-balancing	5/181 • • • {the saw blade being arranged underneath a work-table}
3/28	• Components	5/182 • • • • {the saw blade performing a pivoting movement only}
3/30	• • Blade attachments, e.g. saw buckles; Stretching devices	5/184 • • • • {the saw blade performing a rectilinear movement only}
3/32	• • • the stretching devices being equipped with screw-threaded or wedging means	5/185 • • • {the saw blade being carried by a pivoted lever (B27B 5/181 and B27B 5/188 take precedence)}
3/34	• • • the stretching devices being actuated by fluid pressure	5/187 • • • {the saw blade being fitted on a movable carriage (B27B 5/181 takes precedence)}
3/36	• • Devices for adjusting the mutual distance of the saw blades	5/188 • • • {the saw blade being mounted on a hanging arm or at the end of a set of bars, e.g. parallelograms}
3/38	• • • Spacing bars; Spacing plates	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
3/40	• • Devices for adjusting the overhang of the saw	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}	7/04	. by making use of a plurality of circular saws mounted on a single spindle; Arrangements for adjusting the mutual distances {(equipment for adjusting the mutual distance of circular wood saws in general B27B 5/34)}
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)}	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)
5/207	. . . . {the saw blade being fitted on a movable carriage}	9/02	. Arrangements for adjusting the cutting depth or the amount of tilting
5/208	. . . . {the saw blade being mounted on a hanging arm or at the end of a set of bars, e.g. parallelograms}	9/04	. Guiding equipment, e.g. for cutting panels {(circular sawing machines for dividing plates in parts of determined size, e.g. panels B27B 5/06)}
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}	11/00	Cross-cut reciprocating saws with power drive; Appurtenances therefor
5/224	. . . {the workpieces being fitted on a pivoting support}	11/02	. Arrangements for guiding the saw blade
5/226	. . . {the workpieces being radially fed by means of a turning drum}	11/04	. . Supports able to be attached to the work
5/228	. . . {Cross-cutting automatically laterally-fed travelling workpieces; Reducing lumber to desired lengths}	11/06	. Arrangements for chucking the saw blade, with or without releasable transmission mechanisms for uncoupling the drive
5/24	. . . the saw blade being adjustable according to depth or angle of cut	11/08	. Frames, pillars, or beds
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)}	11/10	. Devices for clamping the work or holding same in position
5/246	. . . . {End cutting of automatically laterally-fed travelling workpieces}	11/12	. Saw assemblies designed to be mounted on or driven by tractors {(circular saws designed to be attached to tractors or other vehicles and driven by same B27B 5/10)}
5/26	. . . the table being adjustable according to depth or angle of cut		
5/265	. . . . {with the saw blade arranged underneath the work-table}	Band or strap sawing machines	
5/29	. Details; Component parts; Accessories	13/00	Band or strap sawing machines (for length cutting of trunks B27B 15/00); Components or equipment therefor
5/30	. . for mounting or securing saw blades or saw spindles	13/02	. Frames; Pillars
5/32	. . . Devices for securing circular saw blades to the saw spindle	13/04	. Work-tables; Arrangements for tilting the band saw blade
5/325	. . . . {using fluid pressure means}	13/06	. Saw pulleys; Bearings therefor
5/34	. . . Devices for securing a plurality of circular saw blades on a single saw spindle; Equipment for adjusting the mutual distance {(arrangements for adjusting the mutual distances of circular saw machines for lengthwise sawing of trunks B27B 7/04)}	13/08	. Arrangements for stretching the band saw blade {(B23D 55/10 takes precedence)}
5/36	. . . Mounting for swivelling or tilting the circular saw blade, {e.g. using an adjustable mounting (slotting or mortising machines B27F 5/02)}	13/10	. Guiding equipment for the band saw blade, e.g. guide rollers, back guides, side guides {(B23D 55/08 takes precedence)}
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 {(B23D 47/005 takes precedence)}	13/12	. Lubricating devices specially designed for band saw blades
7/00	Sawing machines working with circular saw blades, specially designed for length sawing of trunks	13/14	. Braking devices specially designed for band sawing machines, e.g. acting after damage of the band saw blade
7/02	. by making use of circular saws mounted substantially at right angles, e.g. vertically and horizontally	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 {(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, multisectioned; 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; Fret-saws**
- 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
- 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