

## ECLA EUROPEAN CLASSIFICATION

- B27B SAWS; COMPONENTS OR ACCESSORIES THEREFOR** (saws specially adapted for pruning or debranching [A01G3/08](#); sawing apparatus specially adapted for felling trees [A01G23/091](#); features not restricted to a particular type of wood saw B23D, e.g. attaching saw blades [B23D51/00](#); machine tool frames, beds, pillars or analogous members, in general [B23Q1/01](#)) [[C9601](#)]
- B27B1/00 Methods for subdividing trunks or logs essentially involving sawing (features of machines used, see the relevant groups for the machines)**
- [B27B1/00B](#) . [[N](#): by cross-cutting (saw benches with non-feedable circular saw blades for cross-cutting laterally fed workpieces [B27B5/22F](#); cross-cutting reciprocating saws with power drive [B27B11/00](#))]
- [B27B1/00C](#) . [[N](#): including the step of dividing the log into sector-shaped segments]
- [B27B1/00D](#) . [[N](#): taking into account geometric properties of the trunks or logs to be sawn, e.g. curvature]
- B27B3/00 Gang saw mills; Other sawing machines with reciprocating saw blades, specially designed for length sawing of trunks**
- [B27B3/02](#) . with vertically-reciprocating saw frame
- [B27B3/04](#) . . with multiple- blade saw frame
- [B27B3/06](#) . . with side blade saw frame
- [B27B3/08](#) . . . combined with multiple-blade saw frame
- [B27B3/10](#) . . Saw frames or guides therefor
- [B27B3/12](#) . . Mechanisms for producing the reciprocating movement of the saw frame; Arrangements for damping vibration; Arrangements for counter-balancing ([B27B3/26](#) takes precedence)
- [B27B3/14](#) . . Arrangements for raising or lowering the feed rollers
- [B27B3/16](#) . . Driving mechanisms for the feed rollers
- [B27B3/18](#) . . Controlling equipment, e.g. for controlling the drive
- [B27B3/20](#) . . Equipment for guiding the sawn part of timber during machining, e.g. preventing faults due to torsional stress
- [B27B3/22](#) . with horizontally-reciprocating saw frame
- [B27B3/24](#) . . Arrangements for raising and lowering the saw frame
- [B27B3/26](#) . . Mechanisms for producing the reciprocating movement of the saw frame; Arrangements for damping vibrations; Arrangements for counter-balancing
- [B27B3/28](#) . Components
- [B27B3/30](#) . . Blade attachments, e.g. saw buckles; Stretching devices
- [B27B3/32](#) . . . the stretching devices being equipped with screw-threaded or wedging means
- [B27B3/34](#) . . . the stretching devices being actuated by fluid pressure

- B27B3/36 . . Devices for adjusting the mutual distance of the saw blades
- B27B3/38 . . . Spacing bars; Spacing plates
- B27B3/40 . . Devices for adjusting the overhang of the saw

**Guide heading:**     **Circular saws**

**B27B5/00     Sawing machines working with circular [N: or cylindrical] saw blades (for length sawing of trunks [B27B7/00](#)); Components or equipment therefor**

- B27B5/02 . . characterised by a special purpose only
- B27B5/04 . . . for edge trimming [N:(equipment for adjusting the mutual distance between the saw blades [B27B5/34](#))]
- B27B5/06 . . . for dividing plates in parts of determined size, e.g. panels
- B27B5/06C . . . . [N: Devices having saws perpendicular to each other ([B27B5/075](#) takes precedence)] [N9509]
- B27B5/06D . . . . [N: Sawing travelling workpieces]
- B27B5/065 . . . . with feedable saw blades, e.g. arranged on a carriage [N9507]
- B27B5/07 . . . . . the plate being positioned in a substantially vertical plane ([B27B5/075](#) takes precedence) [N9507]
- B27B5/075 . . . . . characterised by having a plurality of saw blades, e.g. turning about perpendicular axes [N9507]
- B27B5/08 . . . for sawing with the saw blade abutting parallel against a surface of the workpiece
- B27B5/10 . . Wheeled circular saws; Circular saws designed to be attached to tractors or other vehicles and driven by same [N: (saw assemblies designed to be mounted on or driven by tractors [B27B11/12](#))]
- B27B5/12 . . Cylinder saws [N: ([B27C1/00D](#) takes precedence)]
- B27B5/14 . . Rim-driven circular saws
- B27B5/16 . . Saw benches ([B27B15/06](#) takes precedence)
- B27B5/16B . . . [N: Convertible sawing devices]
- B27B5/18 . . . with feedable circular saw blade, e.g. arranged on a carriage
- B27B5/18C . . . . [N: the saw blade being arranged underneath a work-table]
- B27B5/18C1 . . . . . [N: the saw blade performing a pivoting movement only]
- B27B5/18C2 . . . . . [N: the saw blade performing a rectilinear movement only]
- B27B5/18D . . . . [N: the saw blade being carried by a pivoted lever ([B27B5/18C](#) and [B27B5/18G](#) take precedence)]
- B27B5/18F . . . . [N: the saw blade being fitted on a movable carriage ([B27B5/18C](#) takes precedence)]
- B27B5/18G . . . . [N: the saw blade being mounted on a hanging arm or at the end of a set of bars, e.g. parallelograms] [C9507]
- B27B5/20 . . . . 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
- B27B5/20B . . . . . [N: Radial sawing machines; Machines having a saw blade on an extendable radial arm]

- B27B5/20C . . . . [N: with the saw blade underneath a work-table]
- B27B5/20C1 . . . . . [N: the saw blade performing a pivoting movement only]
- B27B5/20C2 . . . . . [N: the saw blade performing a rectilinear movement only]
- B27B5/20D . . . . [N: the saw blade being carried by a pivoted lever ([B27B5/20G](#) takes precedence)]
- B27B5/20F . . . . [N: the saw blade being fitted on a movable carriage]
- B27B5/20G . . . . [N: the saw blade being mounted on a hanging arm or at the end of a set of bars, e.g. parallelograms] [C9507]
- B27B5/22 . . with non-feedable circular saw blade
- B27B5/22B . . . [N: the saw blade being arranged underneath the work-table; Guiding arrangements for the work-table]
- B27B5/22C . . . [N: the workpieces being fitted on a pivoting support]
- B27B5/22D . . . [N: the workpieces being radially fed by means of a turning drum]
- B27B5/22F . . . [N: Cross-cutting automatically laterally-fed travelling workpieces; Reducing lumber to desired lengths]
- B27B5/24 . . . the saw blade being adjustable according to depth or angle of cut
- B27B5/24B . . . . [N: the saw blade being arranged underneath the work-table (the circular saw blade arranged underneath a stationary work-table for sawing material in general [B23D45/06](#))]
- B27B5/24C . . . . [N: End cutting of automatically laterally-fed travelling workpieces]
- B27B5/26 . . . the table being adjustable according to depth or angle of cut
- B27B5/26B . . . . [N: with the saw blade arranged underneath the work-table]
- B27B5/29 . Details; Component parts; Accessories
- B27B5/30 . . for mounting or securing saw blades or saw spindles
- B27B5/32 . . . Devices for securing circular saw blades to the saw spindle
- B27B5/32B . . . . [N: using fluid pressure means] [N9608]
- B27B5/34 . . . Devices for securing a plurality of circular saw blades on a single saw spindle; Equipment for adjusting the mutual distance [N:(arrangements for adjusting the mutual distances of circular saw machines for lengthwise sawing of trunks [B27B7/04](#))]
- B27B5/36 . . . Mounting for swivelling or tilting the circular saw blade, [N: e.g. using an adjustable mounting (slotting or mortising machines [B27F5/02](#))]
- B27B5/38 . . Devices for braking the circular saw blade or the saw spindle; Devices for damping vibrations of the circular saw blade, e.g. silencing [N: ([B23D47/00B](#) takes precedence)]
- B27B7/00** **Sawing machines working with circular saw blades, specially designed for length sawing of trunks**
- B27B7/02 . by making use of circular saws mounted substantially at right angles, e.g. vertically and horizontally
- B27B7/04 . by making use of a plurality of circular saws mounted on a single spindle; Arrangements for adjusting the mutual distances [N: (equipment for adjusting the mutual distance of circular wood saws in general [B27B5/34](#))]
- B27B9/00** **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 [B25F5/00](#))

- B27B9/02 . Arrangements for adjusting the cutting depth or the amount of tilting
- B27B9/04 . Guiding equipment, e.g. for cutting panels [N: (circular sawing machines for dividing plates in parts of determined size, e.g. panels [B27B5/06](#))]

**B27B11/00 Cross-cut reciprocating saws with power drive; Appurtenances therefor**

- B27B11/02 . Arrangements for guiding the saw blade
- B27B11/04 . . Supports able to be attached to the work
- B27B11/06 . Arrangements for chucking the saw blade, with or without releasable transmission mechanisms for uncoupling the drive
- B27B11/08 . Frames, pillars, or beds
- B27B11/10 . Devices for clamping the work or holding same in position
- B27B11/12 . Saw assemblies designed to be mounted on or driven by tractors [N: (circular saws designed to be attached to tractors or other vehicles and driven by same [B27B5/10](#))]

**Guide heading: Band or strap sawing machines**

**B27B13/00 Band or strap sawing machines (for length cutting of trunks [B27B15/00](#)); Components or equipment therefor**

- B27B13/02 . Frames; Pillars
- B27B13/04 . Work-tables; Arrangements for tilting the band saw blade
- B27B13/06 . Saw pulleys; Bearings therefor
- B27B13/08 . Arrangements for stretching the band saw blade [N: ([B23D55/10](#) takes precedence)]
- B27B13/10 . Guiding equipment for the band saw blade, e.g. guide rollers, back guides, side guides [N: ([B23D55/08](#) takes precedence)]
- B27B13/12 . Lubricating devices specially designed for band saw blades
- B27B13/14 . Braking devices specially designed for band sawing machines, e.g. acting after damage of the band saw blade
- B27B13/16 . Accessories, e.g. for cooling the saw blade

**B27B15/00 Band or strap sawing machines specially designed for length cutting of trunks**

- B27B15/02 . with horizontally-guided saw blade, i.e. horizontal log band saw

- B27B15/04 . with vertically-guided saw blade
- B27B15/06 . in combined arrangement with circular saws for performing simultaneously several sawing procedures
- B27B15/08 . with a plurality of band saw blades
- B27B17/00** **Chain saws; Equipment therefor [N: (slotting or mortising machines equipped with chain cutters [B27F5/06](#))]**
- B27B17/00B . [N: Means for carrying the chain saw, e.g. handles ([B27B17/00E](#) takes precedence)]
- B27B17/00C . [N: Devices to adapt the chain saw for other purposes, e.g. drilling]
- B27B17/00D . [N: Length measuring devices incorporated in the chain saw]
- B27B17/00E . [N: Devices for attenuation of vibrations]
- B27B17/00F . [N: Saw benches or saw bucks]
- B27B17/00F1 . . [N: with the saw mounted on a carriage]
- B27B17/00F2 . . [N: with the saw being pivotally mounted]
- B27B17/00F3 . . [N: with the saw mounted upright]
- B27B17/00F4 . . [N: the workpiece being held in a cantilever manner]
- B27B17/00G . [N: Attachments for guiding or supporting chain saws during operation]
- B27B17/00H . [N: Wheeled chain saws; Chain saws mounted on or driven by vehicles, e.g. for sawing trees in situ]
- B27B17/02 . Chain saws equipped with guide bar ([B27B17/06](#) takes precedence)
- B27B17/02B . . [N: Composite guide bars, e.g. laminated, multisectioned; Guide bars of diverse material]
- B27B17/04 . . Roller bearing guides
- B27B17/06 . Chain saws mounted on a bow
- B27B17/08 . Drives or gearings; Devices for swivelling or tilting the chain saw
- B27B17/08B . . [N: Devices for arresting movement of the saw chain]
- B27B17/08D . . [N: Angle drives]
- B27B17/10 . . Transmission clutches specially designed for chain saws
- B27B17/12 . Lubricating devices specially designed for chain saws
- B27B17/14 . Arrangements for stretching the chain saw
- B27B19/00** **Other reciprocating saws with power drive; Fret-saws**
- B27B19/00B . [N: Power-driven hand saws]

- B27B19/00B1 . . [N: in which the saw blade is chucked at both ends]
- B27B19/00D . [N: with oscillating saw blades; Hand saws with oscillating saw blades]
- B27B19/00D2 . . [N: having a plurality of saw blades or saw blades having plural cutting zones]
- B27B19/02 . Saws with a power- driven blade chucked at both ends or at one end only, e.g. jig saws, scroll saws ([B27B19/10](#) takes precedence)
- B27B19/04 . . characterised by power drive, e.g. by electromagnetic drive
- B27B19/06 . . Stationary machines
- B27B19/06B . . . [N: hand-operated or foot-operated]
- B27B19/09 . . portable
- B27B19/10 . Fret-saws, i.e. with bilaterally chucked saw blade in a manually-guided bow
- B27B19/12 . . with power drive
- B27B19/14 . . with hand drive
- B27B21/00** **Hand saws without power drive** ([N: hand saws with oscillating saw blades,] [B27B19/14](#) takes precedence); **Equipment for hand sawing, e.g. saw horses** [N: (work benches [B25H1/00](#); saw guides [B27B11/02](#) )] [M1204]
- B27B21/02 . Buck or hack saws
- B27B21/04 . Cross-cut saws; Pad saws
- B27B21/06 . Arrangements for stretching the saw blade
- B27B21/08 . Arrangements of gauging or adjusting equipment on hand saws, e.g. for limiting the cutting depth
- B27B23/00** **Other cutting of wood by non-rotary toothed tools; Tools therefor** (cutting with hot wire [B27M1/06](#))
- Guide heading:** **Components or accessories for saws**
- B27B25/00** **Feeding devices for timber in saw mills or sawing machines; Feeding devices for trees** ([N: [B27B29/00](#)], [B27B31/00](#) take precedence) [C9608]
- B27B25/02 . with feed and pressure rollers
- B27B25/04 . with feed chains or belts
- B27B25/06 . Resilient feeding or pressing accessories, e.g. pads, springs
- B27B25/08 . Feeding devices able to be attached to any sawing machine
- B27B25/10 . Manually-operated feeding or pressing accessories, e.g. pushers
- B27B27/00** **Guide fences or stops for timber in saw mills or sawing machines; Measuring equipment thereon** (safety guards or devices specially designed for wood saws

[B27G19/00](#); constructional features of measuring devices [G01B](#))

- [B27B27/02](#) . arranged laterally and parallel with respect to the plane of the saw blade
- [B27B27/04](#) . arranged perpendicularly to the plane of the saw blade
- [B27B27/06](#) . arranged angularly with respect to the plane of the saw blade, e.g. for mitring [N: (devices for mitring wood [B27G5/00](#))]
- [B27B27/08](#) . arranged adjustably, not limited to only one of the groups [B27B27/02](#) to [B27B27/06](#)
- [B27B27/10](#) . Devices for moving or adjusting the guide fences or stops

**[B27B29/00](#) 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 [B27G19/00](#)); Travelling trunk or log carriages [N: (for logs being held in a cantilever manner [B27B17/00F4](#))]**

- [B27B29/02](#) . Clamping angles; Gripping equipment thereon
- [B27B29/04](#) . Trunk or log carriages with gripping means which do not pass the saw blade(s), specially for gang saws; Arrangement of gripping accessories thereon
- [B27B29/06](#) . . Auxiliary trunk or log carriages for carrying initially the log to the feed rollers or for carrying the sawn part of the log
- [B27B29/08](#) . 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
- [B27B29/08B](#) . . [N: Turning devices thereon]
- [B27B29/10](#) . . Assemblies for laterally adjusting or controlling the clamping or turning devices with respect to the thickness of the board to be sawn

**[B27B31/00](#) Arrangements for conveying, loading, turning, adjusting, or discharging the log or timber, specially designed for saw mills or sawing machines([B27B29/00](#)takes precedence; [N: arrangements for raising or lowering the feed rollers of gang saw mills[B27B3/14](#); driving mechanisms for the feed rollers of gang saw mills[B27B3/16](#))**

- [B27B31/00B](#) . [N: with rollers]
- [B27B31/00C](#) . [N: with chains or belts]
- [B27B31/02](#) . Loading equipment for travelling carriages
- [B27B31/04](#) . Turning equipment [N: (turning devices on trunk or log carriages [B27B29/08](#))]
- [B27B31/06](#) . Adjusting equipment, e.g. using optical projection [N: (see also [B27L5/02B](#))]
- [B27B31/08](#) . Discharging equipment

**[B27B33/00](#) Sawing tools for saw mills, sawing machines, or sawing devices**

- B27B33/02 . Structural design of saw blades or saw teeth
- B27B33/04 . . Gang saw blades
- B27B33/06 . . Band saw blades
- B27B33/08 . . Circular saw blades
- B27B33/10 . . Hand saw blades
- B27B33/12 . . Saw blades having inserted or exchangeably arranged bits or toothed segments
  
- B27B33/14 . Saw chains [N: (saw chains for slotting or mortising devices [B27F5/08](#))] [M1204]
- B27B33/14B . . [N: with means to control the depth of cut]
- B27B33/14C . . [N: Cutter elements]
- B27B33/14C1 . . . [N: having cutting inserts or exchangeable cutting teeth]
- B27B33/14C9 . . . [N: having plural teeth on a single link]
- B27B33/14D . . [N: with incorporated lubricating means]
- B27B33/14E . . [N: with means permitting replacement of cutter elements]
  
- B27B33/16 . Saw wires; Twisted saw strips
  
- B27B33/20 . Edge trimming saw blades or tools combined with means to disintegrate waste