

# 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 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](#))

#### WARNINGS

- 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](#)
- 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, <a href="#">see the relevant groups for the machines</a> )	3/26	. . Mechanisms for producing the reciprocating movement of the saw frame; Arrangements for damping vibrations; Arrangements for counter-balancing
1/002	. {by cross-cutting (saw benches with non-feedable circular saw blades for cross-cutting laterally fed workpieces <a href="#">B27B 5/228</a> ; cross-cutting reciprocating saws with power drive <a href="#">B27B 11/00</a> )}	3/28	. Components
1/005	. {including the step of dividing the log into sector-shaped segments}	3/30	. . Blade attachments, e.g. saw buckles; Stretching devices
1/007	. {taking into account geometric properties of the trunks or logs to be sawn, e.g. curvature}	3/32	. . . the stretching devices being equipped with screw-threaded or wedging means
3/00	Gang saw mills; Other sawing machines with reciprocating saw blades, specially designed for length sawing of trunks	3/34	. . . the stretching devices being actuated by fluid pressure
3/02	. with vertically-reciprocating saw frame	3/36	. . Devices for adjusting the mutual distance of the saw blades
3/04	. . with multiple- blade saw frame	3/38	. . . Spacing bars; Spacing plates
3/06	. . with side blade saw frame	3/40	. . Devices for adjusting the overhang of the saw
3/08	. . . combined with multiple-blade saw frame	<b>Circular saws</b>	
3/10	. . Saw frames or guides therefor	5/00	Sawing machines working with circular {or cylindrical} saw blades (for length sawing of trunks <a href="#">B27B 7/00</a> ); Components or equipment therefor
3/12	. . Mechanisms for producing the reciprocating movement of the saw frame; Arrangements for damping vibration; Arrangements for counter-balancing ( <a href="#">B27B 3/26</a> takes precedence)	5/02	. characterised by a special purpose only
3/14	. . Arrangements for raising or lowering the feed rollers	5/04	. . for edge trimming {(equipment for adjusting the mutual distance between the saw blades <a href="#">B27B 5/34</a> )}
3/16	. . Driving mechanisms for the feed rollers	5/06	. . for dividing plates in parts of determined size, e.g. panels
3/18	. . Controlling equipment, e.g. for controlling the drive	5/061	. . . {Devices having saws perpendicular to each other ( <a href="#">B27B 5/075</a> takes precedence)}
3/20	. . Equipment for guiding the sawn part of timber during machining, e.g. preventing faults due to torsional stress	5/063	. . . {Sawing travelling workpieces}
3/22	. with horizontally-reciprocating saw frame	5/065	. . . with feedable saw blades, e.g. arranged on a carriage
3/24	. . Arrangements for raising and lowering the saw frame	5/07	. . . . the plate being positioned in a substantially vertical plane ( <a href="#">B27B 5/075</a> takes precedence)
		5/075	. . . . characterised by having a plurality of saw blades, e.g. turning about perpendicular axes

- 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}
- 5/26 . . . the table being adjustable according to depth or angle of cut
- 5/265 . . . . {with the saw blade arranged underneath the work-table}
- 5/29 . Details; Component parts; Accessories
- 5/30 . . for mounting or securing saw blades or saw spindles
- 5/32 . . . Devices for securing circular saw blades to the saw spindle
- 5/325 . . . . {using fluid pressure means}
- 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](#))}
- 5/36 . . . Mounting for swivelling or tilting the circular saw blade {, e.g. using an adjustable mounting (slotting or mortising machines [B27F 5/02](#))}
- 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)}
- 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 {(equipment for adjusting the mutual distance of circular wood saws in general [B27B 5/34](#))}
- 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](#))**
- 9/02 . Arrangements for adjusting the cutting depth or the amount of tilting
- 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](#))}
- 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 {(circular saws designed to be attached to tractors or other vehicles and driven by same [B27B 5/10](#))}
- 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	19/002	• {Power-driven hand saws}
13/04	• Work-tables; Arrangements for tilting the band saw blade	19/004	• • {in which the saw blade is chucked at both ends}
13/06	• Saw pulleys; Bearings therefor	19/006	• {with oscillating saw blades; Hand saws with oscillating saw blades}
13/08	• Arrangements for stretching the band saw blade {(B23D 55/10 takes precedence)}	19/008	• • {having a plurality of saw blades or saw blades having plural cutting zones}
13/10	• Guiding equipment for the band saw blade, e.g. guide rollers, back guides, side guides {(B23D 55/08 takes precedence)}	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)
13/12	• Lubricating devices specially designed for band saw blades	19/04	• • characterised by power drive, e.g. by electromagnetic drive
13/14	• Braking devices specially designed for band sawing machines, e.g. acting after damage of the band saw blade	19/06	• • Stationary machines
13/16	• Accessories, e.g. for cooling the saw blade	19/065	• • • {hand-operated or foot-operated}
<b>15/00</b>	<b>Band or strap sawing machines specially designed for length cutting of trunks</b>	19/09	• • portable
15/02	• with horizontally-guided saw blade, i.e. horizontal log band saw	19/10	• Fret-saws, i.e. with bilaterally chucked saw blade in a manually-guided bow
15/04	• with vertically-guided saw blade	19/12	• • with power drive
15/06	• in combined arrangement with circular saws for performing simultaneously several sawing procedures	19/14	• • with hand drive
15/08	• with a plurality of band saw blades	<b>21/00</b>	<b>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)}</b>
<b>17/00</b>	<b>Chain saws; Equipment therefor {(slotting or mortising machines equipped with chain cutters B27F 5/06)}</b>	21/02	• Buck or hack saws
17/0008	• {Means for carrying the chain saw, e.g. handles (B27B 17/0033 takes precedence)}	21/04	• Cross-cut saws; Pad saws
17/0016	• {Devices to adapt the chain saw for other purposes, e.g. drilling}	21/06	• Arrangements for stretching the saw blade
17/0025	• {Length measuring devices incorporated in the chain saw}	21/08	• Arrangements of gauging or adjusting equipment on hand saws, e.g. for limiting the cutting depth
17/0033	• {Devices for attenuation of vibrations}	<b>23/00</b>	<b>Other cutting of wood by non-rotary toothed tools; Tools therefor (cutting with hot wire B27M 1/06)</b>
17/0041	• {Saw benches or saw bucks}	<b>Components or accessories for saws</b>	
17/005	• • {with the saw mounted on a carriage}	<b>25/00</b>	<b>Feeding devices for timber in saw mills or sawing machines; Feeding devices for trees ({B27B 29/00}, B27B 31/00 take precedence)</b>
17/0058	• • {with the saw being pivotally mounted}	25/02	• with feed and pressure rollers
17/0066	• • {with the saw mounted upright}	25/04	• with feed chains or belts
17/0075	• • {the workpiece being held in a cantilever manner}	25/06	• Resilient feeding or pressing accessories, e.g. pads, springs
17/0083	• {Attachments for guiding or supporting chain saws during operation}	25/08	• Feeding devices able to be attached to any sawing machine
17/0091	• {Wheeled chain saws; Chain saws mounted on or driven by vehicles, e.g. for sawing trees <i>in situ</i> }	25/10	• Manually-operated feeding or pressing accessories, e.g. pushers
17/02	• Chain saws equipped with guide bar (B27B 17/06 takes precedence)	<b>27/00</b>	<b>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)</b>
17/025	• • {Composite guide bars, e.g. laminated, multisectioned; Guide bars of diverse material}	27/02	• arranged laterally and parallel with respect to the plane of the saw blade
17/04	• • Roller bearing guides	27/04	• arranged perpendicularly to the plane of the saw blade
17/06	• Chain saws mounted on a bow	27/06	• arranged angularly with respect to the plane of the saw blade, e.g. for mitring {(devices for mitring wood B27G 5/00)}
17/08	• Drives or gearings; Devices for swivelling or tilting the chain saw	27/08	• arranged adjustably, not limited to only one of the groups B27B 27/02 - B27B 27/06
17/083	• • {Devices for arresting movement of the saw chain}	27/10	• Devices for moving or adjusting the guide fences or stops
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		
<b>19/00</b>	<b>Other reciprocating saws with power drive; Fret-saws</b>		

- 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