

B25F

COMBINATION OR MULTI-PURPOSE TOOLS NOT OTHERWISE PROVIDED FOR; DETAILS OR COMPONENTS OF PORTABLE POWER-DRIVEN TOOLS NOT PARTICULARLY RELATED TO THE OPERATIONS PERFORMED AND NOT OTHERWISE PROVIDED FOR {(machines or arrangements of machines for performing specified combinations of different metal-working operations not covered by a single other subclass [B23P 23/00](#) and subgroups)}

Definition statement

This place covers:

Combination or multi-purpose hand tools with interchangeable or adjustable tool elements;

Associations of tools for different working operations with one portable power-drive means and adapters therefore;

Details or components of portable power-driven tools not particularly related to the operations performed and not otherwise provided for, e.g. construction of casings, bodies or handles.

Note:

This subclass does not cover tools having a clear primary function as well as one or more secondary functions. Those tools are covered by the relevant subclass for tools having such primary function and are, thus, not classified in group [B25F 1/00](#) or [B25F 3/00](#) of this subclass.

Relationships with other classification places

[B25F](#) covers combination or multi-purpose hand tools and combination or multi-purpose portable power-driven tools. When the tools have a clear primary function they are classified in other relevant places, for instance: subclass [B25B](#) covers hand tools having a clear primary function of fastening, connecting, disengaging or holding, e.g. spanners, wrenches or screwdrivers.

Subclass [B25F](#) further covers details or components of portable power-driven tools not particularly related to the operations performed and not otherwise provided for. Even if a portable power-driven tool has a clear primary function, its details or components, which are not particularly related to this primary function, are classified in subclass [B25F](#), if not otherwise provided for.

Details or components of hand tools with a clear primary function are classified in the relevant subclass for the hand tool, for instance: subclass [B25B](#) covers details of or accessories for spanners, wrenches or screwdrivers; subclass [B25C](#) covers tools for driving both nails or staples.

More specifically, [B23B 45/00](#) and [B23B 47/00](#) cover hand-held or like portable drilling machines and constructional features of components specially designed for boring or drilling machines. [B67B 7/44](#) covers combination tools for opening closed containers, e.g. comprising cork-screws, can pierces, crown-cap removers.

[B25B 33/00](#) covers hand tools not covered by any other group in subclass [B25B](#).

References

Limiting references

This place does not cover:

Combinations or associations of metal-working machines, not directed to a particular result; Details, components or accessories for machine tools.	B23Q
Hand tools having a clear primary function of fastening, connecting, disengaging or holding, e.g. spanners, wrenches or screwdrivers.	B25B

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Cutting implements specially adapted for horticultural purposes; Delimiting standing trees	A01G 3/00
Power-driven cleaning or polishing devices for dentistry	A61C 17/16
Portable grinding machines; Accessories therefor	B24B 23/00
Hand-held nailing tools	B25C 1/00
Manually operated portable stapling tools; Hand-held power-operated stapling tools	B25C 5/00
Hand-held cutting tools, e.g., hand knives, hand shears, scissors and razors	B26B
Portable power-driven circular saws for manual operations	B27B 9/00
Portable hand-operated wood-milling machines; Routers	B27C 5/10

References out of a residual place

Examples of places in relation to which this place is residual:

Hand-held or like portable drilling machines and constructional features of components specially designed for boring or drilling machines	B23B 45/00 , B23B 47/00
Tools or bench devices not otherwise provided for, for fastening, connecting, disengaging, or holding	B25B
Hand tools not covered by any other group in subclass B25B	B25B 33/00
Hand-held nailing or stapling tools; manually-operated portable stapling tools	B25C
Percussive tools	B25D
Handles of portable power-driven percussive tools	B25D 17/04
Hand- or power-operated combination tools for opening closed containers, e.g. comprising cork-screws, can piercers, crown-cap removers	B67B 7/44

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cutting implements specially adapted for horticultural purposes; Delimiting standing trees	A01G 3/00
Multi-purpose kitchen machines for preparing food	A47J 44/00
Power-driven cleaning or polishing devices for dentistry	A61C 17/16
Machines, devices or processes for planing, slotting, shearing, broaching, sawing, filing, scraping	B23D
Portable grinding machines; Accessories therefor	B24B 23/00
Picks	B25D 7/00
Portable percussive tools with fluid-pressure drive, electromotor drive or electromagnetic drive	B25D 9/00 , B25D13/00
Handles for hand implements	B25G

Hand-held cutting tools, e.g., hand knives, hand shears, scissors and razors	B26B
Portable power-driven circular saws for manual operations	B27B 9/00
Portable hand-operated wood-milling machines; Routers	B27C 5/10

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Tool	Any portable instrument of operation for performing, assisting the work or facilitating mechanical operations. Tools can be manually operated or by machine tools, such as millers for milling machines. Machine tools are not considered as tools.
Hand tool	Device for performing work on a material or a physical system using only muscular strength.
Power-driven tool	Tool powered by a motor, e.g. electric, hydraulic, pneumatic, fluid-pressure.
Association of power-driven tools	A power-driven object having two or more tools, which are designed to perform different specific tasks, e.g. a Proxxon®-type rotary power tool with exchangeable tools for boring, milling, grinding, polishing, etc.
Portable	Capable of being easily carried or conveyed.
Multi-purpose tool	Device having or serving several purposes, which may be either manual or power-driven, e.g. a tool with interchangeable tool elements.
Combination hand tools	Manually operated object involving two, or possibly more than two (but a confined number of), clearly defined purposes (having two or more tools put together for different purposes), e.g. Gerber® multiplier tool.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- “power-driven” and “power assisted”
- “hand tool”, “hand-held”, “hand device”, “hand operated” and “hand actuated”
- “portable machine” and “portable equipment”

B25F 1/00

Combination or multi-purpose hand tools (associations of tools for different working operations with one portable power-drive means [B25F 3/00](#); {combined stapling and punching tools [B25C 5/0214](#)})

Definition statement

This place covers:

Associations of tools for different working operations, without a power-drive means.

References

Limiting references

This place does not cover:

Associations of tools for different working operations with one portable power-drive means	B25F 3/00
Combined stapling and punching tools	B25C 5/0214

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices or single parts facilitating escape from buildings or the like (i.e. rescue tools)	A62B 3/00
Hand equipment for mountaineering	A63B 29/08
Hand scraping implements	B23D 79/00
Pliers provided with auxiliary tool elements	B25B 7/22
Wrenches, spanners	B25B 13/00
Screwdrivers	B25B 15/00
Hand hammers	B25D 1/00
Picks	B25D 7/00
Hand knives with adjustable blade	B26B 1/00
Hand knives combined with other implements	B26B 11/00

B25F 3/00

Associations of tools for different working operations with one portable power-drive means; Adapters therefor

Definition statement

This place covers:

Associations of tools for different working operations, with a common power-drive means.

Different adapters mechanically associated with a core power unit.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Construction of casings, bodies or handles for power tools	B25F 5/02
Hand-held or like portable drilling machines - attachments	B23B 45/003
Sawing machines or devices not covered - machines for converting any machine for sawing purposes	B23D 57/0076
Portable power-driven screw or nut setting tools and attachments therefore	B25B 21/00 , B25B 21/007
Details of, or accessories for spanners, wrenches, screwdrivers	B25B 23/0007

B25F 5/00

Details or components of portable power-driven tools not particularly related to the operations performed and not otherwise provided for

Definition statement

This place covers:

Details or components of portable power-driven tools, e.g. handles or accessories, and not entire power-driven tools.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus to be carried on or by a person, e.g. of knapsack type	B05B 9/08
Casting using a mould or core of cylinders, pistons, bearing shells or like thin-walled objects	B22D 15/02
Hand-held or like portable drilling machines, e.g. drill guns	B23B 45/00
Hand-operated planing devices; Portable planing apparatus	B23D 9/00
Hand-held devices for cutting by a nibbling action	B23D 27/02
Arrangements for cooling or lubricating parts of the machine (e.g. drill)	B23Q 11/12
Portable grinding machines, e.g. hand-guided; with rotating grinding tools; Accessories therefore	B24B 23/02
Portable grinding machines, e.g. hand-guided; Accessories therefor - spindle locking device	B24B 23/022
Component parts such as frames, beds, carriages, headstocks. Weight compensation; Temperature compensation; Vibration damping	B24B 41/007
Portable power-driven screw or nut setting or loosening tools	B25B 21/00
Details of, or accessories for, spanners, wrenches, screwdrivers - Mechanical overload release couplings	B25B 23/141
Details of portable power-driven percussive tools	B25D 17/00
Details of, or accessories for, portable power-driven percussive tools - devices for cleaning or cooling tool or work	B25D 17/20
Hand cutting tools involving disc blades, e.g. motor-driven	B26B 25/00
Perforating; Punching; Cutting-out and Stamping-out	B26F 1/00
Power-driven circular saws for manual operation	B27B 9/00
Chain saws - devices for vibration damping	B27B 17/0033
Other reciprocating saws with power drive; Fret-saws	B27B 19/00
Hand planes equipped with power-driven cutter blocks	B27C 1/10
Portable hand-operated wood-milling machines; Routers	B27C 5/10
Adaptations of engines for hand-held tools; Portable combinations of engines with engine-driven devices	F02B 63/02
Adaptations of engines for driving pumps, hand-held tools or electric generators; Portable combinations of engines with engine-driven devices	F02B 63/02
Springs	F16F 1/00 , F16F 1/545

Vibration-dampers; Shock-absorbers	F16F 7/00 , F16F 7/108
Safety devices acting in conjunction with the control or operation of a machine; Control arrangements requiring the simultaneous use of two or more parts of the body - using both hands	F16P 3/18
Supporting, suspending, or attaching arrangements for lighting devices	F21V 21/00
Details of switching devices not covered by groups H01H 1/00 - H01H 7/00	H01H 9/00
Casing of switch constituted by a handle serving a purpose other than the actuation of the switch	H01H 9/06
Constructional details or processes of manufacture of the non-active parts for miniature batteries or batteries for portable equipment	H01M 2/1022
Details of coupling devices	H01R 13/00
Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries	H02J 7/00
Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries, characterised by the mechanical construction	H02J 7/0042
Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries, charge circuits only	H02J 7/0052
Casings or enclosures characterised by the shape, form or construction thereof (i.e. for electric motors)	H02K 5/04
Casings or enclosures characterised by the shape, form or construction for cooling	H02K 5/18
Arrangements for handling mechanical energy structurally associated with the machine, e.g. structural association with mechanical driving motor or auxiliary dynamo-electric machine	H02K 7/00
Structural association with measuring or protective devices or electric components	H02K 11/00