1/00 Hand hammers (handles therefor B25G 1/00; attachment of handles to the hammer head B25G 3/000); Hammer heads of special shape or materials
1/005 . . . (with nail feeding devices)
1/02 . . . Inserts or attachments forming the striking part of hammer heads (B25D 1/08 - B25D 1/14 take precedence)
1/04 . . . with provision for withdrawing or holding nails or spikes
1/045 . . . . (with fulcrum member for extracting long nails)
1/06 . . . . Magnetic holders
1/08 . . . having deformable heads (B25D 1/12 takes precedence
1/10 . . . having work protector surrounding faces (B25D 1/12 takes precedence)
1/12 . . . having shock-absorbing means
1/14 . . . having plural striking faces
1/16 . . . having the impacting head in the form of a sleeve slidable on a shaft, e.g. hammers for driving a valve or draw-off tube into a barrel

3/00 Hand chisels
5/00 Centre punches
5/02 . . . Automatic centre punches

7/00 Picks (combined with other tools B25F)

9/00 Portable percussive tools with fluid-pressure drive, (i.e. driven directly by fluids), e.g. having several percussive tool bits operated simultaneously (portable non-percussive drilling tools driven by fluid pressure or pneumatic power B23B 45/04)
9/005 . . . (Devices for testing the tool's performance)
9/02 . . . of the tool-carrier piston type, i.e. in which the tool is connected to an impulse member
9/04 . . . of the hammer piston type, i.e. in which the tool bit or anvil is hit by an impulse member
9/06 . . . Means for driving the impulse member
9/08 . . . comprising a built-in air compressor (i.e. the tool being driven by air pressure)
9/10 . . . comprising a built-in internal-combustion engine
9/11 . . . operated by combustion pressure generated by detonation of a cartridge
9/12 . . . comprising a built-in liquid motor (i.e. the tool being driven by hydraulic pressure)
9/125 . . . . (driven directly by liquid pressure working with pulses)
9/14 . . . Control devices for the reciprocating piston
9/145 . . . . (for hydraulically actuated hammers having an accumulator)
9/16 . . . . Valve arrangements therefor (B25D 9/145 takes precedence)
9/18 . . . . involving a piston-type slide valve
9/20 . . . . involving a tubular-type slide valve
9/22 . . . . involving a rotary-type slide valve
9/24 . . . . involving a rocking-plate type valve
9/26 . . . Control devices for adjusting the stroke of the piston or the force or frequency of impact thereof (control systems adapted for earth drilling E21B 44/00)
9/265 . . . . (with arrangements for automatic stopping when the tool is lifted from the working face or suffers excessive bore resistance)

11/00 Portable percussive tools with electromotor (or other motor) drive
Details of portable percussive tools with fluid-pressure drive, i.e. driven directly by fluids, e.g. having several percussive tool bits operated simultaneously

Details of portable percussive tools with electromotor or other motor drive

Details of portable percussive tools with superimposed rotation, the rotational movement of the output shaft of a motor being modified to generate axial impacts on the tool bit (combined percussion and rotary drilling adapted for earth drilling E21B 6/00)

Portable percussive machines with superimposed rotation [, the rotational movement of the output shaft of a motor being modified to generate axial impacts on the tool bit (combined percussion and rotary drilling adapted for earth drilling E21B 6/00)]

Details of, or accessories for, portable power-driven percussion tools [(details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00)]

Means for driving the impulse member

Means for driving the impulse member

Details of, or accessories for, portable power-driven percussion tools (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00)

Arrangements of noise-damping means (noise damping in general G10K 11/16)

Arrangements of noise-damping means (noise damping in general G10K 11/16)

Devices for cleaning or cooling tool or work

Devices for cleaning or cooling tool or work

Damping the reaction force (resiliently mounted handles B25D 17/043; dampers in connections of hammers to backhoes E02F 3/966)

Damping the reaction force (resiliently mounted handles B25D 17/043; dampers in connections of hammers to backhoes E02F 3/966)

Details of percussion or rotation modes

Details of percussion or rotation modes

Pillars and struts

Pillars and struts

Tools having a percussion-only mode

Tools having a percussion-only mode

Supports; Devices for holding power-driven percussive tools in working position (connections of hammers to backhoes E02F 3/966)

Supports; Devices for holding power-driven percussive tools in working position (connections of hammers to backhoes E02F 3/966)

Mode-changing mechanisms

Mode-changing mechanisms

Mode-changing mechanisms

Means for driving the impulse member

Means for driving the impulse member

Hammer pistons; Anvils { ; Guide-sleeves for pistons

Hammer pistons; Anvils { ; Guide-sleeves for pistons

Hammer pistons; Anvils { ; Guide-sleeves for pistons

Hammer pistons; Anvils { ; Guide-sleeves for pistons

Crank-actuated impulse-driving mechanisms

Crank-actuated impulse-driving mechanisms

Crank-actuated impulse-driving mechanisms

Crank-actuated impulse-driving mechanisms

Details of percussion or rotation modes

Details of percussion or rotation modes

Tools having a percussion-only mode

Tools having a percussion-only mode

End of passage.
Components used in portable percussive tools

Materials of the tool or the workpiece

- Ceramic
- Composite materials
- Diamond
- Glass
- Ice
- Leather
- Aluminium
- Brass
- Bronze
- Copper
- Lead
- Mercury
- Steel
- Titanium
- Zinc
- Hard metals, e.g. tungsten carbide
- Plastics
- Elastomers, e.g. rubber
- Polyamides, e.g. Nylon
- Polypropylene
- Foamed polymers, e.g. polyurethane foam
- Stone, rock or concrete
- Wood

General details of portable percussive tools; Components used in portable percussive tools

- Adjustable tool components; Adjustable parameters
- Bits, e.g. adjusting bits by setting in the desired angular position
- Heads
- Stroke length
- Auxiliary percussive devices
- Bleeding holes, e.g. in piston guide-sleeves
- Cable management or routing of electrical cables and wires
- Cams used in percussive tools
- Couplings, e.g. special connections between components
- Depth properties, e.g. tools having depth indicator or depth control
- Details regarding assembling of the tool
- Assembled by brazing
- Assembled by welding
- Elastic behaviour of tool components
- Electrically-powered tool components
- Electric motors
- Emitting warning signals, e.g. visual or sound
- Exchangeable tool components
- Bits, i.e. inserts or attachments for hammer, chisel, pick
- Foldable parts of the tool, e.g. in order to reduce its size
- Housing details
- Hydraulic tool components
- Idling mode of tools
- Magnetic parts used in percussive tools
- Electro-magnetic parts
- Marks, e.g. identification marks, indication scales, visualising means
- Indication scales
- Overload clutches, torque limiters
- Percussive pulling action of tools for extraction of elements
- Phase shift of tool components
- Pneumatic tool components
- Pressure equalising means between sealed chambers
- Ram catchers for stopping the ram when entering idling mode
- Regulation means
- for speed, e.g. drilling or percussion speed
- for torque
- Cross-sections of the tool
- Narrowing cross-sections
- Sensors
- Serrations
- Sleeve details
- Sleeve couplings
- Sliding impact heads, i.e. impact heads sliding inside a rod or around a shaft
- Spatial arrangement of components of the tool relative to each other
- Switches
- Means for locking an operative switch on
- Trigger mechanism in handle
- Tools for breaking windows
- Tools having at least two similar components
- Double motors
- Tools having three or more similar components, e.g. three motors
- Tools having three or more parallel bits, e.g. needle guns
- Tools used in automobiles or automobile manufacture
- Torque transmission means
Twisted part of a chisel or percussive non-drilling tool bit

Ultrasonic percussion means

Use of adhesives

Use of balls

Use of bayonets

Use of bearings

Supports therefor

Use of external compressors

Use of o-rings

Use of pins

Use of rolls

Use of screws or threaded connections

Use of seals

Use of springs

Fluid springs

Leaf springs

Use of thrust-washers, e.g. for limiting the course of the impulse member

Use of weights; Weight properties of the tool