B28D WORKING STONE OR STONE-LIKE MATERIALS

1/00 Working stone or stone-like materials, e.g. brick, concrete [or glass], not provided for elsewhere; Machines, devices, tools therefor (fine working of gems, jewels, crystals B28D 5/00; working by grinding or polishing B24; devices or means for dressing or conditioning abrasive surfaces B24B 5/00)
1/001 {Cleaning bricks (by milling B28D 1/185)}
1/003 {Multipurpose machines; Equipment therefor}
1/005 {Cutting sheet laminae in planes between faces (splitting easily splittable material B28D 1/322)}
1/006 {Artificial ageing of stones; Providing stones with an antique appearance}
1/008 . . . {by means of a tumbler}
1/02 . by sawing
1/025 . . . {Use, recovery or regeneration of abrasive mediums (B28D 5/007 takes precedence; for grinding and polishing in general B24B 5/00)}
1/04 . . . with circular [or cylindrical] saw-blades or saw-discs (B28D 1/10 takes precedence)
1/041 . . . {with cylinder saws, e.g. trepanning; saw cylinders, e.g. having their cutting rim equipped with abrasive particles}
1/042 . . . {the saw blade being carried by a pivoted lever (B28D 1/043 and B28D 1/044 take precedence)}
1/043 . . . {Gantry type sawing machines}
1/044 . . . {the saw blade being movable on slide ways (B28D 1/043 takes precedence)}
1/045 . . . {Sawing grooves in walls; sawing stones from rocks; sawing machines movable on the stones to be cut}
1/046 . . . {Sawing in a plane parallel to the work table}
1/047 . . . {with the work mounted on a carriage}
1/048 . . . {with a plurality of saw blades (B28D 1/046 takes precedence)}
1/06 . . . with reciprocating saw-blades (B28D 1/10 takes precedence)
1/062 . . . {the saw blade rotating about its longitudinal axis}
1/064 . . . {Sawing grooves in walls; portable sawing machines}
1/066 . . . {the workpieces being moved in a horizontal plane, e.g. with vertically or oblique movable saw-blades}
1/068 . . . {Components, e.g. guiding means, vibrations damping means, frames, driving means, suspension}
1/08 . . . with saw-blades of endless cutter-type, e.g. chain saws [, i.e. saw chains], strap saws (B28D 1/10 takes precedence)
1/082 . . . {consisting of chain saws}
1/084 . . . . . {the saw chains being mounted on a pivotingly adjustable arm}
1/086 . . . . . {consisting of strap saws}
1/088 . . . . . (Sawing in situ, e.g. stones from rocks, grooves in walls)
1/10 . . . with provision for measuring
1/12 . . . Saw-blades [or saw-discs] specially adapted for working stone {((B28D 1/041 takes precedence)}
1/121 . . . {Circular saw blades}
1/122 . . . . . {with exchangeable cutter bits or cutter segments}
1/124 . . . {Saw chains; rod-like saw blades; saw cables}
1/125 . . . . . {with exchangeable cutter bits or cutter segments}
1/127 . . . . . {Straight, i.e. flat, saw blades; strap saw blades}
1/128 . . . . . . {with exchangeable cutter bits or cutter segments}
1/14 . . . by boring or drilling (rotary drilling machines B23B; {tools for drilling machines B23B 51/00}; portable percussive machines B25D; {rotary drilling machines for mining or quarrying E21C 1/00})
1/143 . . . {Lens-drilling machines}
1/146 . . . {Tools therefor (drill bits for earth or rock drilling E21B 10/00)}
1/16 . . . by turning
1/18 . . . by milling, e.g. channelling by means of milling tools
1/181 . . . {using cutters loosely mounted on a turning tool support}
1/183 . . . {Hand tools, e.g. portable, motor driven}
1/185 . . . {for brick cleaning}
1/186 . . . {Tools therefor, e.g. having exchangeable cutter bits (B28D 1/181 takes precedence; bits for picks or pick-holders for mining or quarrying E21C 35/18)}
1/188 . . . . . {with exchangeable cutter bits or cutter segments
Fine working of gems, jewels, crystals, e.g. of semiconductor material; apparatus or devices therefor (working by grinding or polishing B24; for artistic purposes B44B)

5/00 Fine working of gems, jewels, crystals, e.g. of semiconductor material; apparatus or devices therefor (working by grinding or polishing B24; for artistic purposes B44B)

5/0005 . . . [by breaking, e.g. dicing]
5/0011 . . . [with preliminary treatment, e.g. weakening by scoring]
5/0017 . . . [using moving tools]
5/0023 . . . [rectilinearly]
5/0029 . . . [rotating]
5/0035 . . . . [cooperating with a straight breaking edge]
5/0041 . . . . [the workpiece being brought into contact with a suitably shaped rigid body which remains stationary during breaking]
5/0047 . . . . [using fluid or gas pressure]
5/0052 . . . . [Means for supporting or holding work during breaking (means for conveying work to or discharging work from the breaking machine B28D 5/0058)]
5/0058 . . . . [Accessories specially adapted for use with machines for fine working of gems, jewels, crystals, e.g. of semiconductor material (B28D 5/0005, B28D 5/024 take precedence)]
5/0064 . . . . [Devices for the automatic drive or the program control of the machines]
5/007 . . . . [Use, recovery or regeneration of abrasive mediums (for grinding and polishing in general B24B 57/00)]

5/0076 . . . . [for removing dust, e.g. by spraying liquids; for lubricating, cooling or cleaning tool or work]
5/0082 . . . . [for supporting, holding, feeding, conveying or discharging work]
5/0088 . . . . [the supporting or holding device being angularly adjustable]
5/0094 . . . . [the supporting or holding device being of the vacuum type]
5/02 . . . . by rotary tools, e.g. drills { (B28D 5/0005 takes precedence)}
5/021 . . . . by drilling]
5/022 . . . . by cutting with discs or wheels]
5/023 . . . . [with a cutting blade mounted on a carriage]
5/024 . . . . [with the stock carried by a movable support for feeding stock into engagement with the cutting blade, e.g. stock carried by a pivoted arm or a carriage]
5/025 . . . . [with the stock carried by a pivoted arm]
5/026 . . . . [with a cutting blade carried by a movable arm, e.g. pivoted (B28D 5/023 and B28D 5/028 take precedence)]
5/027 . . . . [with a cutting blade arranged underneath a stationary work table]
5/028 . . . . [with a ring blade having an inside cutting edge]
5/029 . . . . [with a plurality of cutting blades]
5/04 . . . . by tools other than rotary type, e.g. reciprocating tools (B28D 5/0005 takes precedence)]
5/042 . . . . [by cutting with blades or wires mounted in a reciprocating frame]
5/045 . . . . [by cutting with wires or closed-loop blades (B28D 5/042 takes precedence)]
5/047 . . . . [by ultrasonic cutting (using abrading substances or abrading tools subjected to a bouncing action by ultrasonic energy B24B 1/04)]

7/00 Accessories specially adapted for use with machines or devices of the preceding groups { (B28D 5/0058 takes precedence)}

7/005 . . . . [Devices for the automatic drive or the program control of the machines]
7/00 . . . . [for removing or laying dust, e.g. by spraying liquids; for cooling work]
7/004 . . . . [for supporting or holding work (or conveying or discharging work (B28D 1/047, B28D 5/0041, B28D 5/0052 take precedence)]
7/043 . . . . [the supporting or holding device being angularly adjustable]
7/046 . . . . [the supporting or holding device being of the vacuum type]