

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

PRINTING

B44 DECORATIVE ARTS

(NOTE omitted)

B44B MACHINES, APPARATUS OR TOOLS FOR ARTISTIC WORK, e.g. FOR SCULPTURING, GUILLOCHING, CARVING, BRANDING, INLAYING (processes for producing decorative effects [B44C](#); embossing leather [C14B](#))

WARNING

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	Artists' machines or apparatus equipped with tools or work holders moving, or able to be controlled, three-dimensionally for making single sculptures or models (copying devices for machine-tool use B23Q 35/00)	5/00	Machines or apparatus for embossing decorations or marks, e.g. embossing coins (corrugating sheet metal or metal tubes, embossing combined with sheet-metal working operations B21D ; embossing plastics or substances in a plastic state, in general B29C 59/00 ; embossing of paper or cardboard in general B31F 1/07 ; forme embossing B41C 1/08 ; embossing combined with application of ink, type marking presses, selective embossing mechanisms B41F , B41J , B41K , B41M ; embossing leather C14B)
1/003	. {having several cutting tools}		
1/006	. {using computer control means}		
1/02	. wherein three-dimensional [3D] copies are made		
1/04	. . having devices for changing, e.g. proportionally enlarging or reducing, the shape from an original pattern		
1/06	. Accessories	5/0004	. {characterised by the movement of the embossing tool(s), or the movement of the work, during the embossing operation}
3/00	Artists' machines or apparatus equipped with tools or work holders moving or able to be controlled substantially two-dimensionally for carving, engraving, or guilloching shallow ornamenting or markings (marking or engraving metal by the action of a high concentration of electric current B23H 9/06 ; forme engraving B41C 1/02 ; engraving by photomechanical reproduction G03F 7/20)	5/0009	. . {Rotating embossing tools}
3/001	. {by copying}	5/0014	. . . {and rotating workpieces}
3/002	. . {using a pantograph}	5/0019	. . {Rectilinearly moving embossing tools}
3/003	. . {using a pendulum}	5/0023	. . . {actuated by a lever}
3/004	. . {using a tool controlled by a photoelectric scanning device}	5/0028	. . . {cooperating with rotating workpieces}
3/005	. {characterised by the power drive}	5/0033	. . {Oscillating embossing tools}
3/006	. {carving or engraving devices having several cutting tools}	5/0038	. . . {actuated by a lever}
3/007	. {in layered material}	5/0042	. . . {performing a rolling-off motion with respect to the workpiece}
3/008	. {characterised by multi-step processes}	5/0047	. {by rolling (B44B 5/0061 takes precedence)}
3/009	. {using a computer control means}	5/0052	. {by pressing (B44B 5/0061 and B44B 5/0076 take precedence)}
3/02	. wherein plane surfaces are worked	5/0057	. . {using more than one die assembly simultaneously}
3/04	. wherein non-plane surfaces are worked	5/0061	. {characterised by the power drive}
3/06	. Accessories, e.g. tool or work holders	5/0066	. . {producing a vibratory motion}
3/061	. . {Tool heads}	5/0071	. {which simultaneously apply a decorative material}
3/063	. . {Tool holders}	5/0076	. {having a series of embossing tools each of which can be brought into working position}
3/065	. . {Work holders}	5/008	. {in layered material; connecting a plurality of layers by embossing}
3/066	. . {Master copy holders}	5/0085	. {Portable apparatus for manual operation}
3/068	. . {Tracer heads (B44B 3/004 takes precedence)}	5/009	. {by multi-step processes}
		5/0095	. {using computer control means}
		5/02	. Dies; Accessories
		5/022	. . {Devices for holding or supporting work}
		5/024	. . {Work piece loading or discharging arrangements}

- 5/026 . . {Dies ([B44B 5/028](#) takes precedence)}
- 5/028 . . {Heated dies}

7/00 Machines, apparatus or hand tools for branding, {e.g. using radiant energy such as laser beams}(burning or charring wood stock [B27M 1/06](#))

- 7/002 . {in layered material}
- 7/005 . {by multi-step processes}
- 7/007 . {using a computer control means}
- 7/02 . Branding irons

9/00 Machines or apparatus for inlaying with ornamental structures, e.g. tarsia or mosaic work (uniting ornamental elements, on a support [B44C 1/28](#), to structures [B44C 3/12](#); imitation of mosaic or tarsia work patterns [B44F 11/04](#))

- 11/00 Artists' hand tools for sculpturing, kneading, carving, engraving, guilloching or embossing; Accessories therefor**
- 11/02 . for substantially two-dimensional [2D] carving, engraving, or guilloching
 - 11/04 . for embossing

2700/00 Machines, apparatus, tools or accessories for artistic work

- 2700/02 . Artist's machines or apparatus equipped with tools or work holders moving or able to be controlled substantially two-dimensionally for carving, engraving, or guilloching shallow ornamenting or markings
- 2700/021 . . by copying
- 2700/023 . . for engraving parallel lines of flat surfaces
- 2700/025 . . for engraving a surface of revolution
- 2700/026 . . for guilloching
- 2700/028 . . Electrical engraving machines
- 2700/04 . Machines or tools for carving
- 2700/045 . . Electrical engraving machines
- 2700/06 . Machines, apparatus or tools for stippling
- 2700/08 . Machines, apparatus or hand tools for branding
- 2700/09 . Machines or apparatus for making models
- 2700/12 . Accessories; Tool or work holders