

ECLA EUROPEAN CLASSIFICATION

- 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)**
- B44B1/00 Artist`s 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 [B23Q35/00](#))**
- B44B1/00B . [N: having several cutting tools]
- B44B1/00Z . [N: using computer control means]
- B44B1/02 . wherein three-dimensional copies are made
- B44B1/04 . . having devices for changing, e.g. proportionally enlarging or reducing, the shape from an original pattern
- B44B1/06 . Accessories
- B44B3/00 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 (marking or engraving metal by the action of a high concentration of electric current [B23H9/06](#); forme engraving [B41C, D](#); engraving by photo-mechanical reproduction [G03F](#))**
- B44B3/00B . [N: by copying]
- B44B3/00B2 . . [N: using a pantograph]
- B44B3/00B4 . . [N: using a pendulum]
- B44B3/00B8 . . [N: using a tool controlled by a photoelectric scanning device]
- B44B3/00C . [N: characterised by the power drive]
- B44B3/00D . [N: carving or engraving devices having several cutting tools]
- B44B3/00G . [N: in layered material]
- B44B3/00M . [N: characterised by multi-step processes]
- B44B3/00Z . [N: using a computer control means]
- B44B3/02 . wherein plane surfaces are worked
- B44B3/04 . wherein non-plane surfaces are worked
- B44B3/06 . Accessories, e.g. tool or work holders
- B44B3/06B . . [N: Tool heads]

- B44B3/06C . . [N: Tool holders]
- B44B3/06D . . [N: Work holders]
- B44B3/06E . . [N: Master copy holders]
- B44B3/06F . . [N: Tracer heads ([B44B3/00B8](#) takes precedence)]

- B44B5/00** **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 B29C59/00; embossing of paper or cardboard in general B31F1/07; forme embossing B41C1/08; embossing combined with application of ink, type marking presses, selective embossing mechanisms B41F, B41J, B41K, B41M; embossing leather C14B) [C0710]**

- B44B5/00A . [N: characterised by the movement of the embossing tool(s), or the movement of the work, during the embossing operation]
- B44B5/00A2 . . [N: Rotating embossing tools]
- B44B5/00A2A . . . [N: and rotating workpieces]
- B44B5/00A4 . . [N: Rectilinearly moving embossing tools]
- B44B5/00A4A . . . [N: actuated by a lever]
- B44B5/00A4B . . . [N: cooperating with rotating workpieces]
- B44B5/00A6 . . [N: Oscillating embossing tools]
- B44B5/00A6A . . . [N: actuated by a lever]
- B44B5/00A6B . . . [N: performing a rolling-off motion with respect to the workpiece]

- B44B5/00B . [N: by rolling ([B44B5/00D](#) takes precedence)]

- B44B5/00C . [N: by pressing ([B44B5/00D](#) and [B44B5/00F](#) take precedence)]
- B44B5/00C2 . . [N: using more than one die assembly simultaneously]

- B44B5/00D . [N: characterised by the power drive]
- B44B5/00D2 . . [N: producing a vibratory motion]

- B44B5/00E . [N: which simultaneously apply a decorative material]

- B44B5/00F . [N: having a series of embossing tools each of which can be brought into working position]

- B44B5/00G . [N: in layered material; connecting a plurality of layers by embossing]

- B44B5/00H . [N: Portable apparatus for manual operation]

- B44B5/00M . [N: by multi-step processes]

- B44B5/00Z . [N: using computer control means]

- B44B5/02 . Dies; Accessories
- B44B5/02B . . [N: Devices for holding or supporting work]
- B44B5/02C . . [N: Work piece loading or discharging arrangements]

- B44B5/02D . . [N: Dies ([B44B5/02W](#) takes precedence)]
- B44B5/02W . . [N: Heated dies]
- B44B7/00** **Machines, apparatus or hand tools for branding, [N: e.g. using radiant energy such as laser beams] (burning or charring wood stock [B27M1/06](#))**
- B44B7/00G . [N: in layered material]
- B44B7/00M . [N: by multi-step processes]
- B44B7/00Z . [N: using a computer control means]
- B44B7/02 . Branding irons
- B44B9/00** **Machines or apparatus for inlaying with ornamental structures, e.g. tarsia or mosaic work (uniting ornamental elements, on a support [B44C1/28](#), to structures [B44C3/12](#); imitation of mosaic or tarsia work patterns [B44F11/04](#))**
- B44B11/00** **Artists' hand tools for sculpturing, kneading, carving, engraving, guilloching or embossing; Accessories therefor**
- B44B11/02 . for substantially two-dimensional carving, engraving or guilloching
- B44B11/04 . for embossing