

## **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)**

### **Definition statement**

*This subclass/group covers:*

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,

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,

machines or apparatus for embossing decorations or marks, e.g. embossing coins,

machines, apparatus or hand tools for branding,

machines or apparatus for inlaying with ornamental structures, e.g. tarsia or mosaic work,

artist's hand tools for sculpturing, kneading, carving, engraving, guilloching or embossing; accessories therefor

### **Relationship between large subject matter areas**

Attention is drawn to the fact that class B44 is related to any machine, apparatus, tool or process so far as the matter produces an effect or product meant to be judged by eye, whereby human emotions or intellect may be influenced or affected.

General relationship of [B44B](#) with B41

[B41C](#) and [B41D](#) cover processes and apparatus for the reproduction of printing surfaces; [B41E](#), [B41J](#), [B41K](#) and [B41M](#) cover embossing combined with application of ink, type marking presses, selective embossing mechanisms.

General relationship of [B44B](#) with [B44C](#), [B44D](#) and [B44F](#)

[B44C](#) covers processes for producing decorative surface effects or ornamental structures by removing surface material e.g. by engraving, pressing or stamping, by pyrography and by uniting ornamental elements to mosaics or mosaic plates in [B44C 1/00](#) and [B44C 3/00](#), and for producing special ornamental bodies in [B44C 5/00](#).

[B44D](#) covers artist's accessories or implements for use in connection with painting or artistic drawing, accessories and implements for removing dry paint from surfaces, e.g. by scraping or burning, and surface treatment to obtain artistic effects or finishes or treatment for preserving or restoring paintings.

[B44E](#) covers special designs or pictures, e.g. special or unusual light effects and designs imitating natural patterns.

### References relevant to classification in this subclass

*This subclass/group does not cover:*

Machines for ornamenting, producing designs, embossing of leather surfaces	<a href="#">C14B 1/56</a>
Mechanical treatment for finishing or producing designs or patterns on leather	<a href="#">C14B 15/12</a>
Marking or engraving machining specially adapted for treating particular metal objects or for obtaining special effects or results on metal object by the action of a high concentration of electric current	<a href="#">B23H 9/06</a>
Working of wood not provided for in subclasses <a href="#">B27B-B27L</a> by burning or charring, e.g. cutting with hot wire	<a href="#">B27M 1/06</a>
Printing, duplicating, marking or copying processes; colour printing combined with embossing	<a href="#">B41M 1/24</a>

### Informative references

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

Working or processing of sheet metal or metal tubes, rods or profiles without essentially removing material	<a href="#">B21D</a>
Control systems or devices for copying directly from a pattern or master model	<a href="#">B23Q 35/00</a>

Surface shaping of plastics or of substances in a plastic state by mechanical means, e.g. embossing; apparatus therefor	<a href="#">B29C 59/02</a>
Embossing of paper or cardboard without removing material included combined deformation and laminating	<a href="#">B31F 1/07</a>
Processes for the manufacture or reproduction of printing surfaces; engraving	<a href="#">B41C 1/02</a>
Processes or the manufacture or reproduction of printing surfaces by embossing, e.g. with a typewriter	<a href="#">B41C 1/08</a>
Printing machines or presses; apparatus or machines for carrying out printing operations combined with embossing	<a href="#">B41F 19/02</a>
Typewriters; selective printing mechanisms for embossing	<a href="#">B41J 3/38</a>
Stamps; stamping or numbering apparatus or devices with means for offset or intaglio stamping	<a href="#">B41K 1/30</a>
Stamps; stamping or numbering apparatus or devices with means for relief stamping	<a href="#">B41K 3/14</a>
Stamps; stamping or numbering apparatus or devices with means for deforming or punching the copy matter	<a href="#">B41K 3/36</a>
Hand tools specially adapted for the treatment of hides, skins or leather	<a href="#">C14B 19/00</a>
Photomechanical production of textured or patterned surfaces, e.g. for printing, for processing of semiconductor devices, apparatus specially adapted therefor; exposure	<a href="#">G03F 7/20</a>

## Glossary of terms

*In this subclass/group, the following terms (or expressions) are used with the meaning indicated:*

Decorative arts	Crafts or arts providing an effect or product meant to be judged by eye, whereby human emotions or intellect may be influenced or affected. Such crafts or arts may comprise techniques such as sculpturing, kneading, carving, engraving, guilloching, embossing, branding, inlaying.
Artistic work	Work performed by craftsmen or artists to provide an effect or product meant to be judged by eye, whereby human emotions or intellect may be influenced or affected. Artistic work may comprise techniques such as sculpturing, kneading, carving, engraving, guilloching, embossing, branding, inlaying.

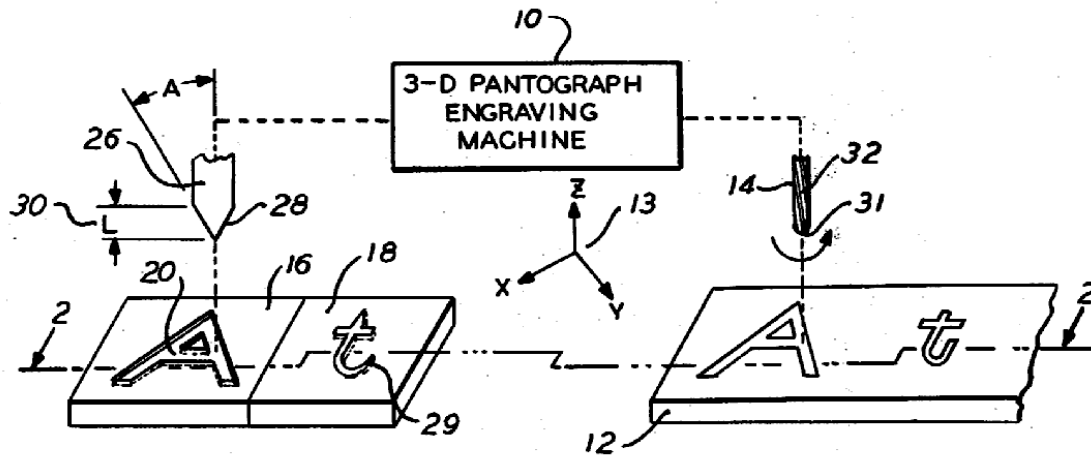
## B44B 1/00

**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 )**

### Definition statement

*This subclass/group covers:*

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



US3975983

## B44B 3/00

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)

### Definition statement

*This subclass/group covers:*

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

July 24, 1951

O. BACHMANN  
ENGRAVING MACHINE

2,561,436

Filed June 30, 1945

8 Sheets-Sheet 1

Fig. 1

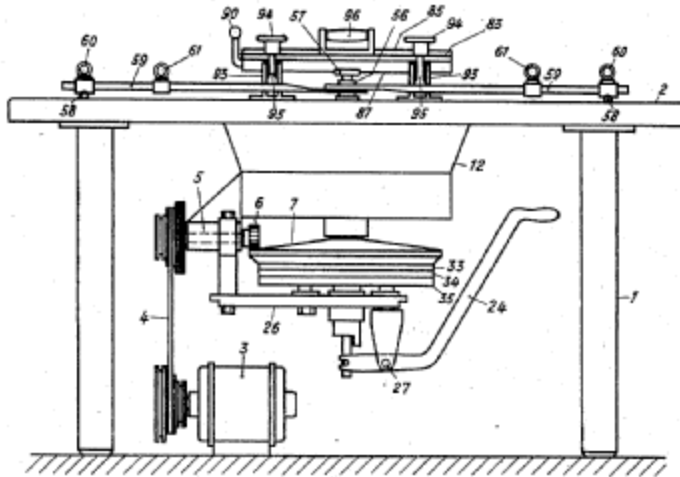
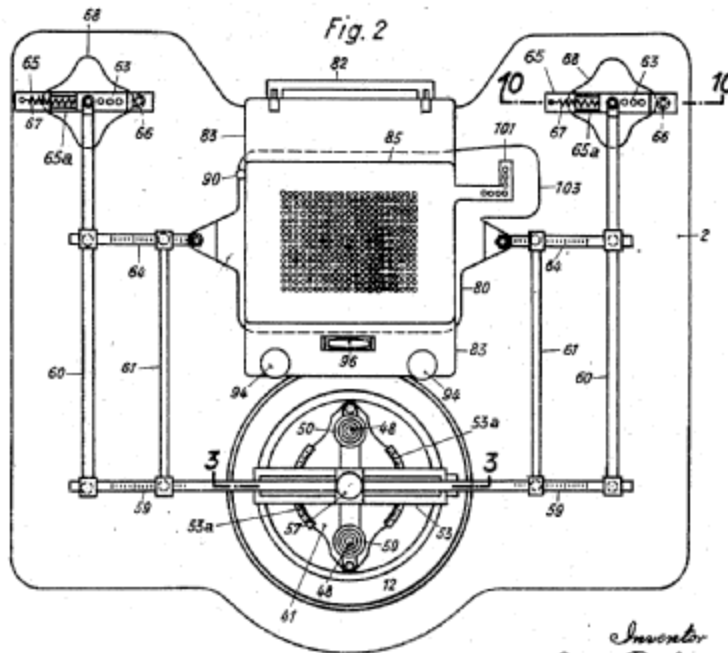
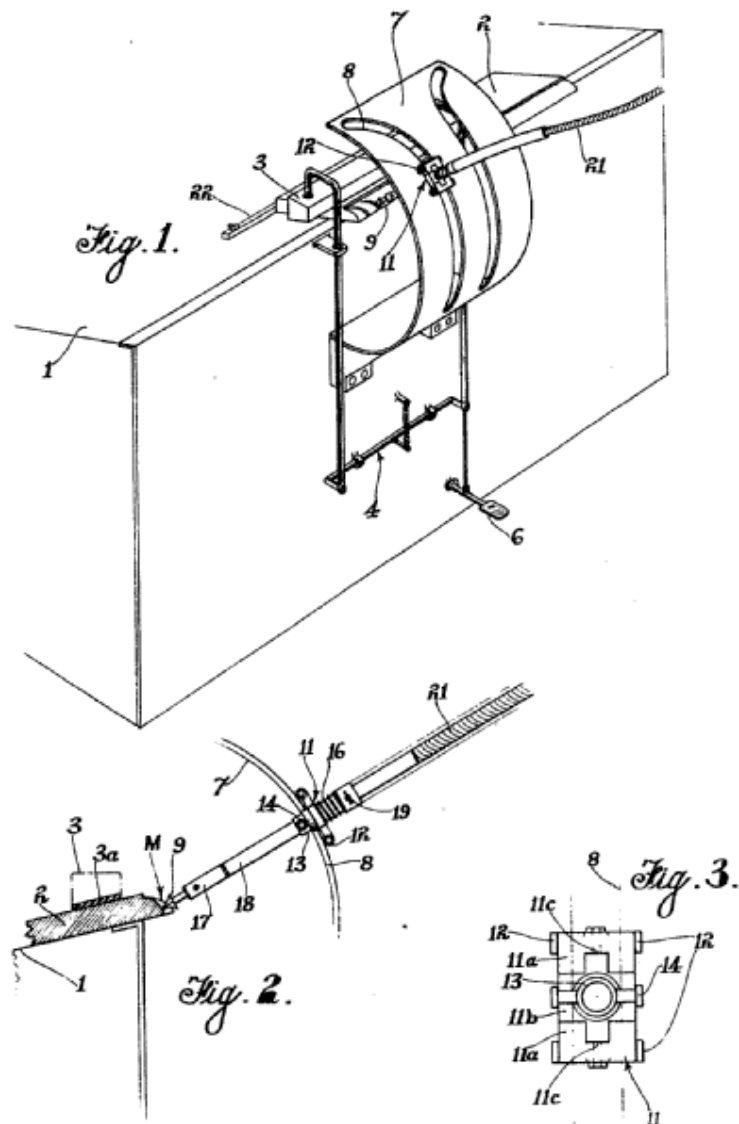


Fig. 2



Inventor  
Oscar Bachmann  
by Singer, Eckert, Stone & Carlberg  
Attorneys

US2561436



GB679787

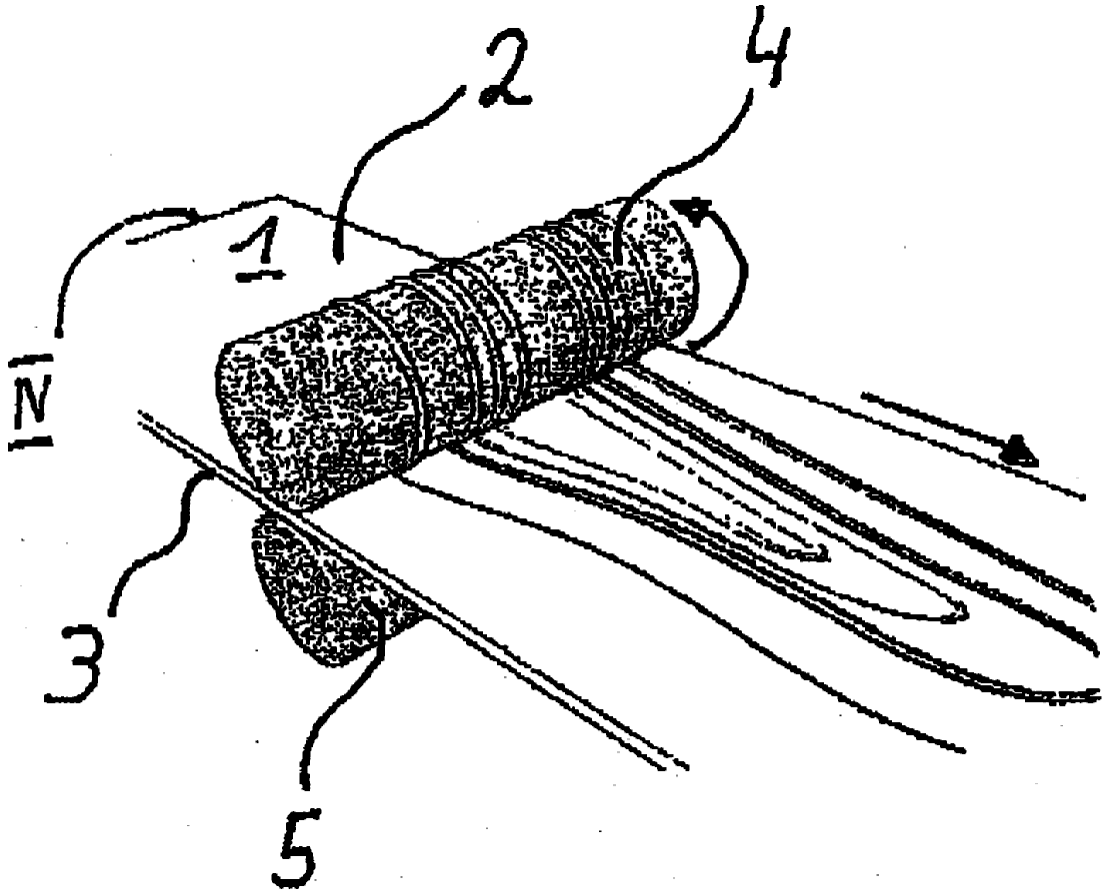
## B44B 5/00

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 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)

## Definition statement

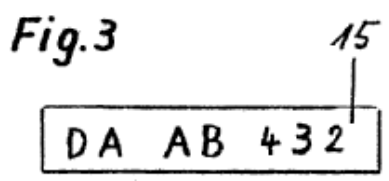
*This subclass/group covers:*

Machines or apparatus for embossing decorations or marks, e.g. embossing coins, embossing dies and accessories for holding work or loading and discharging arrangements

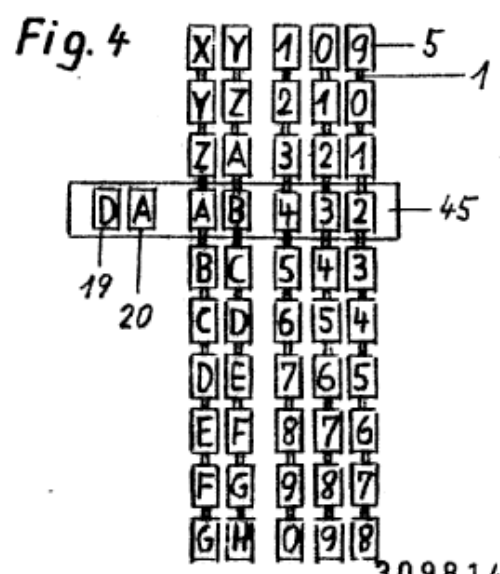
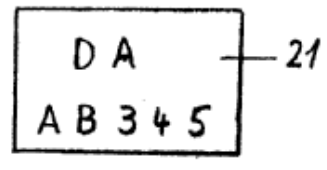


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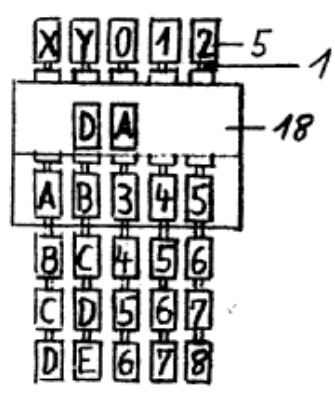




**Fig.5**



**Fig.6**



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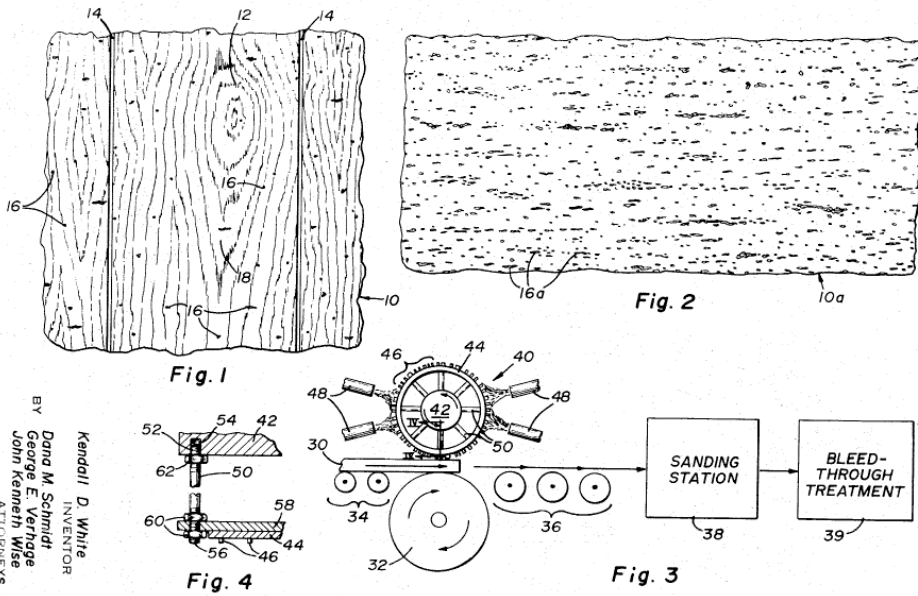
**B44B 7/00**

**Machines, apparatus or hand tools for branding, [N: e.g. using radiant energy such as laser beams] (burning or charring wood stock B27M1/06 )**

**Definition statement**

*This subclass/group covers:*

IMachines, apparatus or hand tools for branding



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INVENTOR  
Dana M. Schmidt  
George E. Verhage  
John Kenneth Wise  
ATTORNEYS

PATENT NO. 7,329,908  
SHEET 1 OF 2  
3,732,908

US3732908

**B44B 9/00**

**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 )**

**References relevant to classification in this group**

*This subclass/group does not cover:*

Uniting ornamental elements on a support	<a href="#">B44C 1/28</a>
Uniting ornaments elements to structures	<a href="#">B44C 3/12</a>
Imitation of mosaic or tarsia work patterns	<a href="#">B44F 11/04</a>

**B44B 11/00**

**Artist's hand tools for sculpturing, kneading ,carving, engraving, guilloching or embossing; Accessories therefor**

**Definition statement**

*This subclass/group covers:*

Artist's hand tools for sculpturing, kneading, carving, engraving, guilloching or embossing

