B21G

MAKING NEEDLES, PINS OR NAILS OF METAL

Definition statement

This place covers:
Devices and processes for the manufacture of needles, pins or nails by metal forming operations such as forging.

References

Informative references

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

| Manufacture of metal wires, rods, tubes by drawing or extrusion | B21C |
| Working of metal wires | B21F |
| Forging | B21J |
| Forging operations, specially adapted for the manufacture of particular objects like rivets or bolts | B21K |
| Polishing; grinding | B24B, B24D |
| Nails per se | F16L |

B21G 1/00

Making needles used for performing operations (forming heads on pin-like needles B21G 3/12; making U-shaped hairpins B21G 7/04)

Definition statement

This place covers:
Devices and processes for making needles. The feature of the title “for performing operations” does not imply any particular restriction.
**B21G 1/08**

**of hollow needles or needles with hollow end, e.g. hypodermic needles, larding-needles (B21G 1/10 takes precedence)**

**Definition statement**

*This place covers:*

Devices and processes for making surgical needles, hollow needles, needles with hollow end, hypodermic needles, larding needles.

---

Source: US5649961

**References**

**Informative references**

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

| Surgical needles | A61B 17/06066 |
B21G 3/00
Making pins, nails, or the like (of pins with individual caps B21G 5/00; of U-like shape B21G 7/00; of split-pins B21G 7/08)

Definition statement
This place covers:
Devices and processes for making pins and nails or the like.

Source: GB330409

B21G 5/00
Making pins or nails with attached caps or with coated heads

Definition statement
This place covers:
Devices and processes for making pins or nails of the type with attached caps or with coated heads.
B21G 7/00

Making pins of U-like shape or split-pins (of paper fasteners or staples B21D 53/46, B21F 45/16)

Definition statement

This place covers:

Devices and processes for making pins of U-like shape or split pins.