

**CPC****COOPERATIVE PATENT CLASSIFICATION****B21G****MAKING NEEDLES, PINS OR NAILS OF METAL****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](#))

[B21G 1/003](#)

- {Needles for special purposes, e.g. knitting, crochet, hat-pins}

[B21G 1/006](#)

- {Special treatments of pins or needles, e.g. annealing, straightening}

[B21G 1/02](#)

- of needles with eyes, e.g. sewing-needles, sewing-awls

[B21G 1/04](#)

- . . of needles specially adapted for use in machines or tools

[B21G 1/06](#)

- of needles with hook or barb, e.g. crochet hooks

[B21G 1/08](#)

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

[B21G 1/10](#)

- equipped with locking means for the material to be drawn through, e.g. for repairing tubeless tyres

[B21G 1/12](#)

- Securing, cleaning-off burrs, reconditioning polishing, grinding ([takes precedence over B21G 1/02 - B21G 1/10](#))

**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](#))

[B21G 3/005](#)

- {Nails or pins for special purposes, e.g. curtain pins}

[B21G 3/02](#)

- of pins of the kind used in the tailoring trade or the house- hold

[B21G 3/04](#)

- . . with locking or shielding device for the pin point, e.g. safety-pins

[B21G 3/06](#)

- of nails with shoulders

[B21G 3/08](#)

- of nails with head and two or more shanks or split shanks

[B21G 3/10](#)

- of undulated nails or pins

[B21G 3/12](#)

- Upsetting; Forming heads

[B21G 3/14](#)

- Reducing diameter of parts otherwise than by rolling

[B21G 3/16](#)

- Pointing; with or without cutting

[B21G 3/18](#)

- by operations not restricted to one of the groups [B21G 3/12](#) - [B21G 3/16](#) ([B21G 3/06](#) - [B21G 3/10](#) take precedence)

[B21G 3/20](#)

- . . from wire of indefinite length ([by rolling B21G 3/30](#))

[B21G 3/22](#)

- . . . in pairs arranged head to head

[B21G 3/24](#)

- . . . by simultaneously forming the head of one nail and the adjacent point of another

[B21G 3/26](#)

- . . by cutting from strip or sheet material

[B21G 3/28](#)

- . . by forging or pressing

[B21G 3/30](#)

- . . by rolling

[B21G 3/32](#)

- Feeding material to be worked to nail or pin making machines

**B21G 5/00**

**Making pins or nails with attached caps or with coated heads**

[B21G 5/02](#)

- of drawing-pins or pins of drawing-pin type

- B21G 7/00**      **Making pins of U-like shape or split-pins** (of paper fasteners or staples  
[B21D 53/46](#), [B21F 45/16](#))
- [B21G 7/02](#)      . of U-like shape
- [B21G 7/04](#)      . . of hairpins
- [B21G 7/06](#)      . . . of undulated hairpins
- [B21G 7/08](#)      . of split-pins, e.g. cotter-pins