

**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 to 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](#) to [B21G 3/16](#) ([B21G 3/06 to 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