

CPC COOPERATIVE PATENT CLASSIFICATION

B21G MAKING NEEDLES, PINS OR NAILS OF METAL

- 1/00 Making needles used for performing operations**
 (forming heads on pin-like needles [B21G 3/12](#);
 making U-shaped hairpins [B21G 7/04](#))
- 1/003 . {Needles for special purposes, e.g. knitting, crochet, hat-pins}
- 1/006 . {Special treatments of pins or needles, e.g. annealing, straightening}
- 1/02 . of needles with eyes, e.g. sewing-needles, sewing-awls
- 1/04 . . of needles specially adapted for use in machines or tools
- 1/06 . of needles with hook or barb, e.g. crochet hooks
- 1/08 . of hollow needles or needles with hollow end, e.g. hypodermic needles, larding-needles ([B21G 1/10](#) takes precedence)
- 1/10 . equipped with locking means for the material to be drawn through, e.g. for repairing tubeless tyres
- 1/12 . Securing, cleaning-off burrs, reconditioning polishing, grinding (takes precedence over [B21G 1/02](#) - [B21G 1/10](#))
- 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](#))**
- 3/005 . {Nails or pins for special purposes, e.g. curtain pins}
- 3/02 . of pins of the kind used in the tailoring trade or the house- hold
- 3/04 . . with locking or shielding device for the pin point, e.g. safety-pins
- 3/06 . of nails with shoulders
- 3/08 . of nails with head and two or more shanks or split shanks
- 3/10 . of undulated nails or pins
- 3/12 . Upsetting; Forming heads
- 3/14 . Reducing diameter of parts otherwise than by rolling
- 3/16 . Pointing; with or without cutting
- 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)
- 3/20 . . from wire of indefinite length (by rolling [B21G 3/30](#))
- 3/22 . . . in pairs arranged head to head
- 3/24 . . . by simultaneously forming the head of one nail and the adjacent point of another
- 3/26 . . by cutting from strip or sheet material
- 3/28 . . by forging or pressing
- 3/30 . . by rolling
- 3/32 . Feeding material to be worked to nail or pin making machines
- 5/00 Making pins or nails with attached caps or with coated heads**
- 5/02 . of drawing-pins or pins of drawing-pin type
- 7/00 Making pins of U-like shape or split-pins (of paper fasteners or staples [B21D 53/46](#), [B21F 45/16](#))**
- 7/02 . of U-like shape
- 7/04 . . of hairpins
- 7/06 . . . of undulated hairpins
- 7/08 . of split-pins, e.g. cotter-pins