

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

### SHAPING

## B21 MECHANICAL METAL-WORKING WITHOUT ESSENTIALLY REMOVING MATERIAL; PUNCHING METAL

(NOTES omitted)

## B21G MAKING NEEDLES, PINS OR NAILS OF METAL

### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

- |             |   |             |   |
|-------------|---|-------------|---|
| <b>1/00</b> | <b>Making needles used for performing operations</b><br>(forming heads on pin-like needles <a href="#">B21G 3/12</a> ;<br>making U-shaped hairpins <a href="#">B21G 7/04</a> )              | 3/24        | . . . by simultaneously forming the head of one nail<br>and the adjacent point of another   |
| 1/003       | . {Needles for special purposes, e.g. knitting, crochet,<br>hat-pins}   | 3/26        | . . by cutting from strip or sheet material   |
| 1/006       | . {Special treatments of pins or needles, e.g.<br>annealing, straightening}   | 3/28        | . . by forging or pressing  |
| 1/02        | . of needles with eyes, e.g. sewing-needles, sewing-<br>awls  | 3/30        | . . by rolling  |
| 1/04        | . . of needles specially adapted for use in machines<br>or tools  | 3/32        | . Feeding material to be worked to nail or pin making<br>machines   |
| 1/06        | . of needles with hook or barb, e.g. crochet hooks  | <b>5/00</b> | <b>Making pins or nails with attached caps or with<br/>coated heads</b>   |
| 1/08        | . of hollow needles or needles with hollow end, e.g.<br>hypodermic needles, larding-needles ( <a href="#">B21G 1/10</a><br>takes precedence)  | 5/02        | . of drawing-pins or pins of drawing-pin type   |
| 1/10        | . equipped with locking means for the material to be<br>drawn through, e.g. for repairing tubeless tyres  | <b>7/00</b> | <b>Making pins of U-like shape or split-pins (of paper<br/>fasteners or staples <a href="#">B21D 53/46</a>, <a href="#">B21F 45/16</a>)</b> |
| 1/12        | . Securing, cleaning-off burrs, reconditioning<br>polishing, grinding (takes precedence over<br><a href="#">B21G 1/02</a> - <a href="#">B21G 1/10</a> )                                     | 7/02        | . of U-like shape   |
| <b>3/00</b> | <b>Making pins, nails, or the like (of pins with<br/>individual caps <a href="#">B21G 5/00</a>; of U-like shape<br/><a href="#">B21G 7/00</a>; of split-pins <a href="#">B21G 7/08</a>)</b> | 7/04        | . . of hairpins   |
| 3/005       | . {Nails or pins for special purposes, e.g. curtain<br>pins}  | 7/06        | . . . of undulated hairpins   |
| 3/02        | . of pins of the kind used in the tailoring trade or the<br>house- hold   | 7/08        | . of split-pins, e.g. cotter-pins   |
| 3/04        | . . with locking or shielding device for the pin point,<br>e.g. safety-pins   |             |   |
| 3/06        | . of nails with shoulders   |             |   |
| 3/08        | . of nails with head and two or more shanks or split<br>shanks  |             |   |
| 3/10        | . of undulated nails or pins  |             |   |
| 3/12        | . Upsetting; Forming heads  |             |   |
| 3/14        | . Reducing diameter of parts otherwise than by<br>rolling   |             |   |
| 3/16        | . Pointing; with or without cutting   |             |   |
| 3/18        | . by operations not restricted to one of the groups<br><a href="#">B21G 3/12</a> - <a href="#">B21G 3/16</a> ( <a href="#">B21G 3/06</a> - <a href="#">B21G 3/10</a><br>take precedence)    |             |   |
| 3/20        | . . from wire of indefinite length (by rolling<br><a href="#">B21G 3/30</a> )   |             |   |
| 3/22        | . . . in pairs arranged head to head  |             |   |