COOPERATIVE PATENT CLASSIFICATION

PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

SHAPING

MECHANICAL METAL-WORKING WITHOUT ESSENTIALLY REMOVING MATERIAL; PUNCHING METAL

(NOTES omitted)

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.

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