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

take precedence)

B21G 3/30)

. . from wire of indefinite length (by rolling

. . . in pairs arranged head to head

3/20

3/22

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 <u>B21G 3/12</u> ;	3/24	• • • by simultaneously forming the head of one nail and the adjacent point of another
	making U-shaped hairpins B21G 7/04)	3/26	by cutting from strip or sheet material
1/003	• {Needles for special purposes, e.g. knitting, crochet,	3/28	• • by forging or pressing
	hat-pins}	3/30	• • by rolling
1/006	• {Special treatments of pins or needles, e.g. annealing, straightening}	3/32	 Feeding material to be worked to nail or pin making machines
1/02	of needles with eyes, e.g. sewing-needles, sewing-awls	5/00	Making pins or nails with attached caps or with coated heads
1/04	 of needles specially adapted for use in machines or tools 	5/02	• of drawing-pins or pins of drawing-pin type
1/06 1/08	 of needles with hook or barb, e.g. crochet hooks of hollow needles or needles with hollow end, e.g. 	7/00	Making pins of U-like shape or split-pins (of paper fasteners or staples <u>B21D 53/46</u> , <u>B21F 45/16</u>)
	hypodermic needles, larding-needles (<u>B21G 1/10</u> takes precedence)	7/02 7/04	 of U-like shape of hairpins
1/10	 equipped with locking means for the material to be drawn through, e.g. for repairing tubeless tyres 	7/06 7/08	of undulated hairpinsof split-pins, e.g. cotter-pins
1/12	 Securing, cleaning-off burrs, reconditioning polishing, grinding (takes precedence over <u>B21G 1/02</u> - <u>B21G 1/10</u>) 	7700	· or spite pins, e.g. cotter pins
3/00	Making pins, nails, or the like (of pins with individual caps <u>B21G 5/00</u> ; of U-like shape		
3/005	 <u>B21G 7/00</u>; of split-pins <u>B21G 7/08</u>) • {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 <u>B21G 3/12</u> - <u>B21G 3/16</u> (<u>B21G 3/06</u> - <u>B21G 3/10</u>		

CPC - 2024.05