

# CPC COOPERATIVE PATENT CLASSIFICATION

## B21L MAKING METAL CHAINS (making chains or chain links by casting [B22D 25/02](#); chains in general [F16G](#))

- |              |  |              |   |
|--------------|--|--------------|---|
| <b>1/00</b>  | <b>Making chains or chain links by bending workpieces of rod, wire, or strip to form links of oval or other simple shape (<a href="#">B21L 3/00</a>, <a href="#">B21L 7/00</a> take precedence)</b>  | <b>13/00</b> | <b>Making terminal or intermediate chain links of special shape; making couplings for chains, e.g. swivels, shackles</b>                  |
| 1/02         | • by bending the ends of the workpieces to abut  | <b>15/00</b> | <b>Finishing or dressing chains or chain links, e.g. removing burr material, calibrating (<a href="#">B21L 9/06</a> takes precedence)</b> |
| 1/04         | • by bending and interconnecting the ends of the workpieces with or without separate jointing members  | 15/005       | • {Pre-stretching chains}   |
| <b>3/00</b>  | <b>Making chains or chain links by bending the chain links or link parts and subsequently welding or soldering the abutting ends (<a href="#">B21L 7/00</a> takes precedence)</b>  | 15/02        | • Twisting already closed links   |
| 3/02         | • Machines or devices for welding chain links  | <b>19/00</b> | <b>Appurtenances for chain-making not restricted to any particular process</b>  |
| 3/04         | • . by making use of forge or pressure welding   | <b>21/00</b> | <b>Tools or implements for repairing chains using metal-working operations, e.g. for detaching deformed chain links</b>                   |
| <b>5/00</b>  | <b>Making chains or chain links by working the starting material in such a way that integral, i.e. jointless, chains links are formed</b>  | <b>99/00</b> | <b>Subject matter not provided for in other groups of this subclass</b>   |
| 5/02         | • in such a way that interconnected links are formed   |              |   |
| <b>7/00</b>  | <b>Making chains or chain links by cutting single loops or loop-parts from coils, assembling the cut parts and subsequently subjecting same to twisting with or without welding</b>  |              |   |
| <b>9/00</b>  | <b>Making chains or chain links, the links being composed of two or more different parts, e.g. drive chains (<a href="#">B21L 1/04</a>, <a href="#">B21L 7/00</a>, <a href="#">B21L 11/14</a>, <a href="#">B21L 13/00</a> take precedence)</b> |              |   |
| 9/02         | • of roller-chain or other plate-link type   |              |   |
| 9/04         | • . Punching or bending the different parts of the chain links   |              |   |
| 9/06         | • . Sorting, feeding, assembling, riveting, or finishing parts of chains   |              |   |
| 9/065        | • . . {Assembling or disassembling}  |              |   |
| 9/08         | • . Combining the chain links with auxiliary parts, e.g. welding-on wear-resistant parts   |              |   |
| <b>11/00</b> | <b>Making chains or chain links of special shape</b>   |              |   |
| 11/005       | • {Making ornamental chains ( <a href="#">B21L 11/02</a> - <a href="#">B21L 11/14</a> take precedence; ornamental chains <a href="#">A44C</a> )}   |              |   |
| 11/02        | • each link being formed of a single member of which both ends are bent or shaped to engage the middle portions of the next link   |              |   |
| 11/04        | • . the ends being pierced or punched to form eyes   |              |   |
| 11/06        | • . . the workpiece being of thin strip metal  |              |   |
| 11/08        | • . the ends being interengaged with other parts of the same link  |              |   |
| 11/10        | • the chain links having opposed correspondingly shaped cylindrical and hook-like parts of which one parts forms a hinge-like support for the adjacent link ( <a href="#">B21L 11/02</a> takes precedence)                                     |              |   |
| 11/12        | • forming bead chains  |              |   |
| 11/14        | • making chain links with inserted or integrally-formed studs  |              |   |