

# CPC COOPERATIVE PATENT CLASSIFICATION

## D03J AUXILIARY WEAVING APPARATUS; WEAVERS' TOOLS; SHUTTLES

|             |   |                |  |
|-------------|---|----------------|--|
| <b>1/00</b> | <b>Auxiliary apparatus combined with or associated with looms</b>   | 5/24           | . Tension devices  |
| 1/001       | . {Cloth or warp beam replacement}  | <b>2700/00</b> | <b>Auxiliary apparatus associated with looms; Weaving combined with other operations; Shuttles</b> |
| 1/002       | . {Climatic conditioning or removing lint or dust}  |                |  |
| 1/003       | . {Devices for lubricating machine parts}   | 2700/02        | . Treatment of the weaving material on the loom, e.g. sizing, humidifying, cleaning                |
| 1/004       | . {Detection and repair of broken warp yarns}   | 2700/04        | . Efficiency control of looms  |
| 1/005       | . {Displays or displaying data}   | 2700/06        | . Auxiliary devices for inspecting, counting or measuring  |
| 1/006       | . {Controlling a group of looms}  |                |  |
| 1/007       | . {Fabric inspection on the loom and associated loom control}   | 2700/10        | . Shuttles   |
| 1/008       | . {Cooling systems}   | 2700/12        | . . for automatic bobbin changing  |
| 1/02        | . for treating warp, e.g. cleaning, moistening  | 2700/14        | . . Gripper shuttles   |
| 1/04        | . for treating weft   | 2700/16        | . . . with warp or weft stop motion  |
| 1/06        | . for treating fabric ( <a href="#">cutting pile on the loom D03D 39/24</a> )   |                |  |
| 1/08        | . . for slitting fabric   |                |  |
| 1/10        | . for indicating pattern to weaver  |                |  |
| 1/12        | . transferring bobbins between loom and winding station ( <a href="#">bobbin-winding machines B65H</a> )  |                |  |
| 1/13        | . for leasing warp ( <a href="#">leasing in general D02H 9/00</a> )   |                |  |
| 1/14        | . Apparatus for threading warp stop-motion droppers, healds, or reeds   |                |  |
| 1/16        | . Apparatus for joining warp ends ( <a href="#">knot-tying tools D03J 3/00</a> )  |                |  |
| 1/18        | . . for joining, e.g. tying, a complete series of fresh warp threads to the used warp threads   |                |  |
| 1/20        | . Measuring length of fabric or number of picks woven   |                |  |
| 1/22        | . Temples   |                |  |
| 1/223       | . . { <a href="#">acting on the full width of cloth</a> }   |                |  |
| 1/226       | . . { <a href="#">provided with a thread cutter</a> }   |                |  |
| 1/24        | . Mirrors or other arrangements for inspecting loom parts   |                |  |
| <b>3/00</b> | <b>Weavers' tools, e.g. knot-tying tools</b>  |                |  |
| 3/02        | . Reed and heald hooks  |                |  |
| 3/04        | . Shuttle-threading tools ( <a href="#">threading devices in shuttles D03J 5/20</a> )   |                |  |
| <b>5/00</b> | <b>Shuttles</b> ( <a href="#">swivel shuttles D03D 31/00</a> ; <a href="#">shuttles for smallware looms D03D 35/00</a> ; <a href="#">circular loom shuttles D03D 37/00</a> ; <a href="#">selvedge shuttles D03D 47/46</a> ) |                |  |
| 5/02        | . Construction of shuttle body  |                |  |
| 5/04        | . . Shuttle tips  |                |  |
| 5/06        | . Dummy shuttles; Gripper shuttles  |                |  |
| 5/065       | . . { <a href="#">for travelling-wave-shed looms</a> }  |                |  |
| 5/08        | . Supports for pirns, bobbins, or cops  |                |  |
| 5/10        | . . Pegs or spindles  |                |  |
| 5/12        | . . . removable   |                |  |
| 5/14        | . . . pivoted   |                |  |
| 5/16        | . . Bobbin clamps, e.g. for automatic bobbin-changing loom shuttles   |                |  |
| 5/18        | . . for coreless cops, i.e. shuttles having no peg or bobbin clamp  |                |  |
| 5/20        | . Devices in shuttles for threading ( <a href="#">separate tools for threading shuttles D03J 3/04</a> )   |                |  |
| 5/22        | . . for self-threading, i.e. threading automatically when shuttle is picked   |                |  |