

# CPC COOPERATIVE PATENT CLASSIFICATION

## D TEXTILES; PAPER

### TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

#### D02 YARNS; MECHANICAL FINISHING OF YARNS OR ROPES; WARPING OR BEAMING

(NOTE omitted)

#### D02H WARPING, BEAMING OR LEASING

##### NOTE

Attention is drawn to the note following the title of Class [D02](#).

##### 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  | <b>Creels, i.e. apparatus for supplying a multiplicity of individual threads</b>   | 13/34<br>13/36<br>13/38 | . . sectional<br>. . Means for attaching warp to beam<br>. Storage racks for beams |
| 3/00  | <b>Warping machines</b>  |                         |  |
| 3/02  | . {Sectional warpers}  |                         |  |
| 3/04  | . {Sample warpers}   |                         |  |
| 5/00  | <b>Beaming machines</b>  |                         |  |
| 5/02  | . combined with apparatus for sizing or other treatment of warps ( <a href="#">sizing per se D06B</a> )                                  |                         |  |
| 7/00  | <b>Combined warping and beaming machines</b>   |                         |  |
| 9/00  | <b>Leasing</b>   |                         |  |
| 9/02  | . Lease rods or bands  |                         |  |
| 11/00 | <b>Methods or apparatus not provided for in the preceding groups, e.g. for cleaning the warp</b>   |                         |  |
| 13/00 | <b>Details of machines of the preceding groups</b>   |                         |  |
| 13/02 | . Stop motions   |                         |  |
| 13/04 | . . responsive to breakage, slackness, or excessive tension of threads, with detectors for individual threads or small groups of threads |                         |  |
| 13/06 | . . . mechanical   |                         |  |
| 13/08 | . . . electrical   |                         |  |
| 13/10 | . . responsive to thread-measuring devices, e.g. stopping the machine when required length of warp has been wound                        |                         |  |
| 13/12 | . Variable-speed driving mechanisms  |                         |  |
| 13/14 | . . controlled automatically by tension in the warp  |                         |  |
| 13/16 | . Reeds, combs, or other devices for determining the spacing of threads  |                         |  |
| 13/18 | . . with adjustable spacing  |                         |  |
| 13/20 | . . with fixed spacing   |                         |  |
| 13/22 | . Tensioning devices   |                         |  |
| 13/24 | . . for individual threads   |                         |  |
| 13/26 | . . for threads in warp form ( <a href="#">controlling the driving of beams, or the like, to keep tension constant D02H 13/14</a> )      |                         |  |
| 13/28 | . Warp beams ( <a href="#">cloth beams D03D 49/20</a> )  |                         |  |
| 13/30 | . . with flanges   |                         |  |
| 13/32 | . . . adjustable   |                         |  |