

# 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.

<b>1/00</b>	<b>Creels, i.e. apparatus for supplying a multiplicity of individual threads</b>	13/34	. . sectional
		13/36	. . Means for attaching warp to beam
<b>3/00</b>	<b>Warping machines</b>	13/38	. Storage racks for beams
3/02	. {Sectional warpers}		
3/04	. {Sample warpers}		
<b>5/00</b>	<b>Beaming machines</b>		
5/02	. combined with apparatus for sizing or other treatment of warps ( <a href="#">sizing per se D06B</a> )		
<b>7/00</b>	<b>Combined warping and beaming machines</b>		
<b>9/00</b>	<b>Leasing</b>		
9/02	. Lease rods or bands		
<b>11/00</b>	<b>Methods or apparatus not provided for in the preceding groups, e.g. for cleaning the warp</b>		
<b>13/00</b>	<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		