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

13/34 . . sectional

13/36 . . Means for attaching warp to beam

. Storage racks for beams 13/38

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