

# CPC COOPERATIVE PATENT CLASSIFICATION

## D TEXTILES; PAPER

### TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

#### D03 WEAVING

#### D03C SHEDDING MECHANISMS; PATTERN CARDS OR CHAINS; PUNCHING OF CARDS; DESIGNING PATTERNS

##### WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:  
[D03C 9/04](#) covered by [D03C 9/028](#)
2. 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>Dobbies</b>	<b>3/00</b>	<b>Jacquards (controlling jacquard by scanning design <a href="#">D03C 17/06</a>; for gripper Axminster looms <a href="#">D03D 39/08</a>)</b>
1/005	• { <a href="#">Electronic dobbies</a> }		
1/02	• Single-lift dobbies, i.e. dobbies in which the same draw-knife or equivalent operates for every pick ( <a href="#">D03C 1/10</a> takes precedence)	3/02	• Single-lift jacquards
1/04	• . Open-shed single-lift dobbies	3/04	• . of open-shed type
1/06	• Double-lift dobbies, i.e. dobbies in which separate draw-knives or equivalent operate on alternate picks	3/06	• Double-lift jacquards
1/08	• . reversible, i.e. correct sheds open automatically when the loom is driven backwards	3/08	• . of open-shed type
1/10	• Centre-shed dobbies, i.e. shed formed by lifting some threads and lowering the others from central shed-closed position	3/10	• Centre-shed jacquards
1/12	• Dobbies employing toothed gearing instead of draw-knives	3/12	• Multiple-shed jacquards, i.e. jacquards which move warp threads to several different heights, e.g. for weaving pile fabrics
1/14	• Features common to dobbies of different types ( <a href="#">stop motions acting on defective operation of shedding mechanisms <a href="#">D03D 51/46</a></a> )	3/14	• Jacquards not employing lifting-hooks, e.g. employing knotted cords in conjunction with keyhole slots
1/142	• . { <a href="#">Leveling mechanisms</a> }	3/16	• Verdol or other jacquards having intermediate power-operated needles between reading needles and lifting-hooks
1/144	• . { <a href="#">linking to the heald frame</a> }	3/18	• Selvedge jacquards
1/146	• . { <a href="#">Independent drive motor</a> }	3/20	• Electrically-operated jacquards
1/148	• . { <a href="#">Eccentrics</a> }	3/205	• . { <a href="#">Independently actuated lifting cords</a> }
1/16	• . Arrangements of dobby in relation to loom	3/22	• Fluid-operated jacquards
1/18	• . Knives; Knife frames	3/24	• Features common to jacquards of different types
1/20	• . Hooks; Lifters	3/26	• . General arrangements of jacquards, or disposition in relation to loom
1/22	• . Needles; Needle boxes; Needle boards	3/28	• . Pick-finding arrangements; Arrangements for preventing next shed from being opened during stopping of loom
1/24	• . Cylinders; Cylinder battens	3/30	• . Arrangements wherein hooks are positively operated to close shed
1/26	• . Facilitating engagement of lifting-hooks with draw-knives	3/32	• . Jacquard driving mechanisms
1/28	• . . by creating and then eliminating back-lash between hooks and knives	3/34	• . . Cylinder operating mechanisms
1/30	• . . wherein all the hooks are disengaged from the knives, and selected hooks then re-engaged	3/36	• . . Griffe operating mechanisms
1/32	• . . wherein all the hooks are engaged with the knives, and unselected hooks then disengaged	3/38	• . Comber boards
1/34	• . Arrangements wherein warp threads pass one another at different heights to avoid congestion	3/40	• . Constructions of lifting-cords
1/36	• . Card- or chain-saving arrangements, e.g. cross-border dobbies	3/42	• . Arrangements of lifting-cords
		3/44	• . Lingoies
		<b>5/00</b>	<b>Cam or other direct-acting shedding mechanisms, i.e. operating heald frames without intervening power-supplying devices</b>
		5/005	• { <a href="#">Leveling mechanisms</a> }
		5/02	• operated by rotating cams

5/04	. . Construction or shape of cams ( <a href="#">cams in general F16H 53/00</a> )	17/06	. automatic, i.e. design scanned optically or otherwise to control punching apparatus or to control loom jacquard directly
5/06	. operated by cam devices other than rotating cams		
<b>7/00</b>	<b>Leno or similar shedding mechanisms</b>	<b>19/00</b>	<b>Miscellaneous methods or devices concerned with designing or making patterns</b>
7/005	. {Combined leno and patterned shedding motion}	19/005	. {Electronic}
7/02	. Gauze healds		
7/04	. Mechanisms having discs oscillating about a weftwise axis and having apertures for warp threads	<b>2700/00</b>	<b>Shedding mechanisms</b>
7/06	. Mechanisms having eyed needles for moving warp threads from side to side of other warp threads	2700/01	. Shedding mechanisms using heald frames
7/08	. Devices for twisting warp threads repeatedly in the same direction	2700/0105	. . Cam-driven heald frame movement
		2700/0111	. . . Devices for levelling the heald frames; Coupling and uncoupling the drive for the heald frames; Devices for holding the shed open
<b>9/00</b>	<b>Healds; Heald frames (for leno shedding <a href="#">D03C 7/00</a>)</b>	2700/0116	. . . Arrangements in which warp threads pass one another at different heights
9/02	. Healds	2700/0122	. . . Devices for adjusting the geometric and time parameters of shed opening
9/022	. . {anti-buckling}	2700/0127	. . Programme-controlled heald frame movement
9/024	. . {Eyelets}	2700/0133	. . . with mechanical transmission
9/026	. . {Material used}	2700/0138	. . . . using hooks or lifters
9/028	. . . {Metal}	2700/0144	. . . . . Single-lift mechanisms
2009/04	. . {Metal healds}	2700/015	. . . . . of closed-shed type
9/06	. Heald frames	2700/0155	. . . . . Double-lift mechanisms
9/0608	. . {Construction of frame parts}	2700/0161	. . . . . of negatively-driven type
9/0616	. . . {Horizontal upper or lower rods}	2700/0166	. . . . . of positively-driven type
9/0625	. . . . {Composition or used material}	2700/0172	. . . . . Constructional details
9/0633	. . . . {Heald bars or their connection to other frame parts}	2700/0177	. . . Devices for levelling the heald frames; Coupling and uncoupling the drive for the heald frames; Devices for holding the shed open
9/0641	. . . . {Distance guides for keeping distance to the next frame}	2700/0183	. . . Devices for adjusting the geometric and time parameters of shed opening
9/065	. . . {Side stays}	2700/0188	. . Heald frame return devices
9/0658	. . . {Intermediate supports or their connection to other frame parts}	2700/0194	. . Frame-operating devices for ribbon looms
9/0666	. . {Connection of frame parts ( <a href="#">D03C 9/0633</a> and <a href="#">D03C 9/0658</a> take precedence)}	2700/14	. . Heald frame lifting devices
9/0675	. . . {Corner connections between horizontal rods and side stays}		
9/0683	. . {Arrangements or means for the linking to the drive system}		
9/0691	. . {Arrangements of means for damping or noise reduction}		
<b>11/00</b>	<b>Selvage shedding mechanisms not forming part of main shedding mechanism (<a href="#">selvage jacquards D03C 3/18</a>; leno selvage mechanism <a href="#">D03C 7/00</a>)</b>		
<b>13/00</b>	<b>Shedding mechanisms not otherwise provided for</b>		
13/02	. {with independent drive motors ( <a href="#">D03C 1/146</a> and <a href="#">D03C 3/205</a> take precedence)}		
13/025	. . {with independent frame drives}		
<b>15/00</b>	<b>Pattern cards or chains</b>		
15/02	. Chains of metal, wood, or similar material with projecting pattern-indicating elements		
15/04	. Cards or paper perforated to indicate pattern		
15/06	. Apparatus for setting pegs in, or removing pegs from, pattern cards		
15/08	. Apparatus for interconnecting, e.g. by lacing, or disconnecting pattern cards		
<b>17/00</b>	<b>Card-punching apparatus (<a href="#">marking record carriers in digital fashion G06K</a>)</b>		
17/02	. manually-controlled, i.e. holes to be punched determined by the operator		
17/04	. . power-operated		