

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

WARNING

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](#)

1/00	Dobbies	3/04	. . of open-shed type
1/005	. { Electronic dobbies }	3/06	. Double-lift jacquards
1/02	. Single-lift dobbies, i.e. dobbies in which the same draw-knife or equivalent operates for every pick (D03C 1/10 takes precedence)	3/08	. . of open-shed type
1/04	. . Open-shed single-lift dobbies	3/10	. Centre-shed jacquards
1/06	. Double-lift dobbies, i.e. dobbies in which separate draw-knives or equivalent operate on alternate picks	3/12	. Multiple-shed jacquards, i.e. jacquards which move warp threads to several different heights, e.g. for weaving pile fabrics
1/08	. . reversible, i.e. correct sheds open automatically when the loom is driven backwards	3/14	. Jacquards not employing lifting-hooks, e.g. employing knotted cords in conjunction with keyhole slots
1/10	. Centre-shed dobbies, i.e. shed formed by lifting some threads and lowering the others from central shed-closed position	3/16	. Verdol or other jacquards having intermediate power-operated needles between reading needles and lifting-hooks
1/12	. Dobbies employing toothed gearing instead of draw-knives	3/18	. Selvage jacquards
1/14	. Features common to dobbies of different types (stop motions acting on defective operation of shedding mechanisms D03D 51/46)	3/20	. Electrically-operated jacquards
1/142	. . { Leveling mechanisms }	3/205	. . { Independently actuated lifting cords }
1/144	. . { linking to the heald frame }	3/22	. Fluid-operated jacquards
1/146	. . { Independent drive motor }	3/24	. Features common to jacquards of different types
1/148	. . { Eccentrics }	3/26	. . General arrangements of jacquards, or disposition in relation to loom
1/16	. . Arrangements of dobby in relation to loom	3/28	. . Pick-finding arrangements; Arrangements for preventing next shed from being opened during stopping of loom
1/18	. . Knives; Knife frames	3/30	. . Arrangements wherein hooks are positively operated to close shed
1/20	. . Hooks; Lifters	3/32	. . Jacquard driving mechanisms
1/22	. . Needles; Needle boxes; Needle boards	3/34	. . . Cylinder operating mechanisms
1/24	. . Cylinders; Cylinder battens	3/36	. . . Griffe operating mechanisms
1/26	. . Facilitating engagement of lifting-hooks with draw-knives	3/38	. . Comber boards
1/28	. . . by creating and then eliminating back-lash between hooks and knives	3/40	. . Constructions of lifting-cords
1/30	. . . wherein all the hooks are disengaged from the knives, and selected hooks then re-engaged	3/42	. . Arrangements of lifting-cords
1/32	. . . wherein all the hooks are engaged with the knives, and unselected hooks then disengaged	3/44	. . Lingoos
1/34	. . Arrangements wherein warp threads pass one another at different heights to avoid congestion	5/00	Cam or other direct-acting shedding mechanisms, i.e. operating heald frames without intervening power-supplying devices
1/36	. . Card- or chain-saving arrangements, e.g. cross-border dobbies	5/005	. { Leveling mechanisms }
3/00	Jacquards (controlling jacquard by scanning design D03C 17/06 ; for gripper Axminster looms D03D 39/08)	5/02	. operated by rotating cams
3/02	. Single-lift jacquards	5/04	. . Construction or shape of cams (cams in general F16H 53/00)
		5/06	. operated by cam devices other than rotating cams
		7/00	Leno or similar shedding mechanisms
		7/005	. { Combined leno and patterned shedding motion }

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