

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

{ 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. }

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

- 7/04 . Mechanisms having discs oscillating about a weftwise axis and having apertures for warp threads
- 7/06 . Mechanisms having eyed needles for moving warp threads from side to side of other warp threads
- 7/08 . Devices for twisting warp threads repeatedly in the same direction
- 9/00 Healds; Heald frames (for leno shedding [D03C 7/00](#))**
 - 9/02 . Healds
 - 9/022 . . {anti-buckling}
 - 9/024 . . {Eyelets}
 - 9/026 . . {Material used}
 - 9/04 . . Metal healds
 - 9/06 . Heald frames
 - 9/0608 . . {Construction of frame parts}
 - 9/0616 . . . {Horizontal upper or lower rods}
 - 9/0625 {Composition or used material}
 - 9/0633 {Heald bars or their connection to other frame parts}
 - 9/0641 {Distance guides for keeping distance to the next frame}
 - 9/065 . . . {Side stays}
 - 9/0658 . . . {Intermediate supports or their connection to other frame parts}
 - 9/0666 . . {Connection of frame parts ([D03C 9/0633](#) and [D03C 9/0658](#) take precedence)}
 - 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}
- 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 Methods or devices concerned with designing or making patterns, not provided for in other groups of this subclass**
 - 19/005 . {Electronic}
- 2700/00 Shedding mechanisms**
 - 2700/01 . Shedding mechanisms using heald frames
 - 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
 - 2700/0116 . . . Arrangements in which warp threads pass one another at different heights
 - 2700/0122 . . . Devices for adjusting the geometric and time parameters of shed opening
 - 2700/0127 . . Programme-controlled heald frame movement
 - 2700/0133 . . . with mechanical transmission
 - 2700/0138 using hooks or lifters
 - 2700/0144 Single-lift mechanisms
 - 2700/015 of closed-shed type
 - 2700/0155 Double-lift mechanisms
 - 2700/0161 of negatively-driven type
 - 2700/0166 of positively-driven type
 - 2700/0172 Constructional details
 - 2700/0177 . . . Devices for levelling the heald frames; Coupling and uncoupling the drive for the heald frames; Devices for holding the shed open
 - 2700/0183 . . . Devices for adjusting the geometric and time parameters of shed opening
 - 2700/0188 . . Heald frame return devices
 - 2700/0194 . . Frame-operating devices for ribbon looms
 - 2700/14 . . Heald frame lifting devices