D03C	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.

1/00 Dobbies
1/005 . [Electronic dobbies]
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)
1/04 . Open-shed single-lift dobbies
1/06 . Double-lift dobbies, i.e. dobbies in which separate draw-knives or equivalent operate on alternate picks
1/08 . reversible, i.e. correct sheds open automatically when the loom is driven backwards
1/10 . Centre-shed dobbies, i.e. shed formed by lifting some threads and lowering the others from central shed-closed position
1/12 . Dobbies employing toothed gearing instead of draw-knives
1/14 . Features common to dobbies of different types (stop motions acting on defective operation of shedding mechanisms D03D 51/46)
1/142 . [Leveling mechanisms]
1/144 . [linking to the heald frame]
1/146 . [Independent drive motor]
1/148 . [Eccentrics]
1/16 . Arrangements of dobbby in relation to loom
1/18 . Knives; Knife frames
1/20 . Hooks; Lifters
1/22 . Needles; Needle boxes; Needle boards
1/24 . Cylinders; Cylinder battens
1/26 . Facilitating engagement of lifting-hooks with draw-knives
1/28 . by creating and then eliminating back-lash between hooks and knives
1/30 . wherein all the hooks are disengaged from the knives, and selected hooks then re-engaged
1/32 . wherein all the hooks are engaged with the knives, and unselected hooks then disengaged
1/34 . Arrangements wherein warp threads pass one another at different heights to avoid congestion
1/36 . Card- or chain-saving arrangements, e.g. cross-border dobbies

3/00 Jacquards (controlling jacquard by scanning design D03C 17/06; for gripper Axminster looms D03D 39/08)
3/02 . Single-lift Jacquards
3/04 . of open-shed type
3/06 . Double-lift Jacquards
3/08 . of open-shed type
3/10 . Centre-shed Jacquards
3/12 . Multiple-shed Jacquards, i.e. Jacquards which move warp threads to several different heights, e.g. for weaving pile fabrics
3/14 . Jacquards not employing lifting-hooks, e.g. employing knotted cords in conjunction with keyhole slots
3/16 . Verdol or other Jacquards having intermediate power-operated needles between reading needles and lifting-hooks
3/18 . Selvedge Jacquards
3/20 . Electrically-operated Jacquards
3/205 . [Independently actuated lifting cords]
3/22 . Fluid-operated Jacquards
3/24 . Features common to Jacquards of different types
3/26 . General arrangements of Jacquards, or disposition in relation to loom
3/28 . Pick-finding arrangements; Arrangements for preventing next shed from being opened during stopping of loom
3/30 . Arrangements wherein hooks are positively operated to close shed
3/32 . Jacquard driving mechanisms
3/34 . Cylinder operating mechanisms
3/36 . Griffes operating mechanisms
3/38 . Comber boards
3/40 . Constructions of lifting-cords
3/42 . Arrangements of lifting-cords
3/44 . Lingoes

5/00 Cam or other direct-acting shedding mechanisms, i.e. operating heald frames without intervening power-supplying devices
5/005 . [Leveling mechanisms]
5/02 . operated by rotating cams
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
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}
9/028 . . {Metal}
2009/04 . . {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 **Selvedge shedding mechanisms not forming part of main shedding mechanism (selvedge jacquards D03C 3/18; leno selvedge 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

**Miscellaneous methods or devices concerned with designing or making patterns**

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