

CPC**COOPERATIVE PATENT CLASSIFICATION****D03C****SHEDDING MECHANISMS; PATTERN CARDS OR CHAINS;
PUNCHING OF CARDS; DESIGNING PATTERNS****WARNING**

The following IPC groups are not used in the CPC scheme. Subject-matter covered by these groups is classified in the following CPC groups: - [D03C 9/04](#) covered by [D03C 9/028](#)

D03C 1/00**Dobbies****D03C 1/005**

- {Electronic dobbies}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 1/00](#)

D03C 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](#))

D03C 1/04

- . Open-shed single-lift dobbies

D03C 1/06

- Double-lift dobbies, i.e. dobbies in which separate draw-knives or equivalent operate on alternate picks

D03C 1/08

- . reversible, i.e. correct sheds open automatically when the loom is driven backwards

D03C 1/10

- Centre-shed dobbies, i.e. shed formed by lifting some threads and lowering the others from central shed-closed position

D03C 1/12

- Dobbies employing toothed gearing instead of draw-knives

D03C 1/14

- Features common to dobbies of different types ([stop motions acting on defective operation of shedding mechanisms D03D 51/46](#))

D03C 1/142

- . {Leveling mechanisms}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 1/14](#)

D03C 1/144

- . {linking to the heald frame}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 1/14](#)

D03C 1/146

- . {Independent drive motor}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 1/14](#)

- D03C 1/148
 - . . {Eccentrics}
 - WARNING**
 - Not complete pending the completion of a reclassification, see also groups [D03C 1/00](#) and [D03C 1/14](#)
- D03C 1/16
 - . . Arrangements of dobby in relation to loom
- D03C 1/18
 - . . Knives; Knife frames
- D03C 1/20
 - . . Hooks; Lifters
- D03C 1/22
 - . . Needles; Needle boxes; Needle boards
- D03C 1/24
 - . . Cylinders; Cylinder battens
- D03C 1/26
 - . . Facilitating engagement of lifting-hooks with draw-knives
- D03C 1/28
 - . . . by creating and then eliminating back-lash between hooks and knives
- D03C 1/30
 - . . . wherein all the hooks are disengaged from the knives, and selected hooks then re-engaged
- D03C 1/32
 - . . . wherein all the hooks are engaged with the knives, and unselected hooks then disengaged
- D03C 1/34
 - . . Arrangements wherein warp threads pass one another at different heights to avoid congestion
- D03C 1/36
 - . . Card- or chain-saving arrangements, e.g. cross-border dobbies
- D03C 3/00**
 - Jacquards** (controlling jacquard by scanning design [D03C 17/06](#); for gripper Axminster looms [D03D 39/08](#))
- D03C 3/02
 - . Single-lift jacquards
- D03C 3/04
 - . . of open-shed type
- D03C 3/06
 - . Double-lift jacquards
- D03C 3/08
 - . . of open-shed type
- D03C 3/10
 - . Centre-shed jacquards
- D03C 3/12
 - . Multiple-shed jacquards, i.e. jacquards which move warp threads to several different heights, e.g. for weaving pile fabrics
- D03C 3/14
 - . Jacquards not employing lifting-hooks, e.g. employing knotted cords in conjunction with keyhole slots
- D03C 3/16
 - . Verdol or other jacquards having intermediate power-operated needles between reading needles and lifting-hooks
- D03C 3/18
 - . Selvage jacquards
- D03C 3/20
 - . Electrically-operated jacquards
- D03C 3/205
 - . . {Independently actuated lifting cords}
 - WARNING**
 - Not complete pending the completion of a reclassification, see also group [D03C 3/20](#)
- D03C 3/22
 - . Fluid-operated jacquards
- D03C 3/24
 - . Features common to jacquards of different types
- D03C 3/26
 - . . General arrangements of jacquards, or disposition in relation to loom

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| D03C 3/28 | <ul style="list-style-type: none"> • . Pick-finding arrangements; Arrangements for preventing next shed from being opened during stopping of loom |
| D03C 3/30 | <ul style="list-style-type: none"> • . Arrangement wherein hooks are positively operated to close shed |
| D03C 3/32 | <ul style="list-style-type: none"> • . Jacquard driving mechanisms |
| D03C 3/34 | <ul style="list-style-type: none"> • . . Cylinder operating mechanisms |
| D03C 3/36 | <ul style="list-style-type: none"> • . . Griffe operating mechanisms |
| D03C 3/38 | <ul style="list-style-type: none"> • . Comber boards |
| D03C 3/40 | <ul style="list-style-type: none"> • . Constructions of lifting-cords |
| D03C 3/42 | <ul style="list-style-type: none"> • . Arrangements of lifting-cords |
| D03C 3/44 | <ul style="list-style-type: none"> • . Lingoos |
| D03C 5/00 | Cam or other direct-acting shedding mechanisms, i.e. operating heald frames without intervening power-supplying devices |
| D03C 5/005 | <ul style="list-style-type: none"> • {Leveling mechanisms} <p><u>WARNING</u></p> <p>Not complete pending the completion of a reclassification, see also groups D03C 5/00 and D03C 5/02</p> |
| D03C 5/02 | <ul style="list-style-type: none"> • operated by rotating cams |
| D03C 5/04 | <ul style="list-style-type: none"> • . Construction or shape of cams (cams in general F16H 53/00) |
| D03C 5/06 | <ul style="list-style-type: none"> • operated by cam devices other than rotating cams |
| D03C 7/00 | Leno or similar shedding mechanisms |
| D03C 7/005 | <ul style="list-style-type: none"> • {Combined leno and patterned shedding motion} <p><u>WARNING</u></p> <p>Not complete, classification to this group is a continuous process</p> |
| D03C 7/02 | <ul style="list-style-type: none"> • Gauze healds |
| D03C 7/04 | <ul style="list-style-type: none"> • Mechanisms having discs oscillating about a weftwise axis and having apertures for warp threads |
| D03C 7/06 | <ul style="list-style-type: none"> • Mechanisms having eyed needles for moving warp threads from side to side of other warp threads |
| D03C 7/08 | <ul style="list-style-type: none"> • Devices for twisting warp threads repeatedly in the same direction |
| D03C 9/00 | Healds; Heald frames (for leno shedding D03C 7/00) |
| D03C 9/02 | <ul style="list-style-type: none"> • Healds |
| D03C 9/022 | <ul style="list-style-type: none"> • . {anti-buckling} <p><u>WARNING</u></p> <p>Not complete pending the completion of a reclassification, see also group D03C 9/02</p> |

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| D03C 9/024 | <ul style="list-style-type: none"> . . {Eyelets} <p><u>WARNING</u></p> <p>Not complete pending the completion of a reclassification, see also group D03C 9/02</p> |
| D03C 9/026 | <ul style="list-style-type: none"> . . {Material used} <p><u>WARNING</u></p> <p>Not complete pending the completion of a reclassification, see also group D03C 1/14</p> |
| D03C 9/028 | <ul style="list-style-type: none"> . . . {Metal} |
| D03C 2009/04 | <ul style="list-style-type: none"> . . {Metal healds} |
| D03C 9/06 | <ul style="list-style-type: none"> . Heald frames |
| D03C 9/0608 | <ul style="list-style-type: none"> . . {Construction of frame parts} |
| D03C 9/0616 | <ul style="list-style-type: none"> . . . {Horizontal upper or lower rods} |
| D03C 9/0625 | <ul style="list-style-type: none"> {Composition or used material} |
| D03C 9/0633 | <ul style="list-style-type: none"> {Heald bars or their connection to other frame parts} |
| D03C 9/0641 | <ul style="list-style-type: none"> {Distance guides for keeping distance to the next frame} |
| D03C 9/065 | <ul style="list-style-type: none"> . . . {Side stays} |
| D03C 9/0658 | <ul style="list-style-type: none"> . . . {Intermediate supports or their connection to other frame parts} |
| D03C 9/0666 | <ul style="list-style-type: none"> . . {Connection of frame parts (D03C 9/0633 and D03C 9/0658 take precedence)} |
| D03C 9/0675 | <ul style="list-style-type: none"> . . . {Corner connections between horizontal rods and side stays} |
| D03C 9/0683 | <ul style="list-style-type: none"> . . {Arrangements or means for the linking to the drive system} |
| D03C 9/0691 | <ul style="list-style-type: none"> . . {Arrangements of means for damping or noise reduction} |
| D03C 11/00 | Selvage shedding mechanisms not forming part of main shedding mechanism (selvage jacquards D03C 3/18 ; leno selvage mechanism D03C 7/00) |
| D03C 13/00 | Shedding mechanisms not otherwise provided for |
| D03C 13/02 | <ul style="list-style-type: none"> . {with independent drive motors (D03C 1/146 and D03C 3/205 take precedence)} <p><u>WARNING</u></p> <p>Not complete pending the completion of a reclassification, see also groups D03C 5/00 and D03C 13/00</p> |
| D03C 13/025 | <ul style="list-style-type: none"> . . {with independent frame drives} <p><u>WARNING</u></p> <p>Not complete pending the completion of a reclassification, see also groups D03C 5/00 and D03C 13/00</p> |
| D03C 15/00 | Pattern cards or chains |

- D03C 15/02
 - Chains of metal, wood, or similar material with projecting pattern-indicating elements
- D03C 15/04
 - Cards or paper perforated to indicate pattern
- D03C 15/06
 - Apparatus for setting pegs in, or removing pegs from, pattern cards
- D03C 15/08
 - Apparatus for interconnecting, e.g. by lacing, or disconnecting pattern cards
- D03C 17/00**
 - **Card-punching apparatus** ([marking record carriers in digital fashion G06K](#))
- D03C 17/02
 - manually-controlled, i.e. holes to be punched determined by the operator
- D03C 17/04
 - . power-operated
- D03C 17/06
 - automatic, i.e. design scanned optically or otherwise to control punching apparatus or to control loom jacquard directly
- D03C 19/00**
 - **Miscellaneous methods or devices concerned with designing or making patterns**
- D03C 19/005
 - {Electronic}
- D03C 2700/00**
 - **Shedding mechanisms**
- D03C 2700/01
 - Shedding mechanisms using heald frames
- D03C 2700/0105
 - . Cam-driven heald frame movement
- D03C 2700/0111
 - . . Devices for levelling the heald frames; Coupling and uncoupling the drive for the heald frames; Devices for holding the shed open
- D03C 2700/0116
 - . . . Arrangements in which warp threads pass one another at different heights
- D03C 2700/0122
 - . . . Devices for adjusting the geometric and time parameters of shed opening
- D03C 2700/0127
 - . . Programme-controlled heald frame movement
- D03C 2700/0133
 - . . . with mechanical transmission
- D03C 2700/0138
 - using hooks or lifters
- D03C 2700/0144
 - Single-lift mechanisms
- D03C 2700/015
 - of closed-shed type
- D03C 2700/0155
 - Double-lift mechanisms
- D03C 2700/0161
 - of negatively-driven type
- D03C 2700/0166
 - of positively-driven type
- D03C 2700/0172
 - Constructional details
- D03C 2700/0177
 - . . . Devices for levelling the heald frames; Coupling and uncoupling the drive for the heald frames; Devices for holding the shed open
- D03C 2700/0183
 - . . . Devices for adjusting the geometric and time parameters of shed opening
- D03C 2700/0188
 - . . Heald frame return devices
- D03C 2700/0194
 - . . Frame-operating devices for ribbon looms
- D03C 2700/14
 - . . Heald frame lifting devices