

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 internal ECLA classification scheme. Subject-matter covered by these groups is classified in the following ECLA groups:- [D03C 9/04](#) covered by [D03C 9/028](#)

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

- . { Electronic dobbies}

WARNING

[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

[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 . Selvedge 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
- D03C 3/28 .. Pick-finding arrangements; Arrangements for preventing next shed from being opened during stopping of loom
- D03C 3/30 .. Arrangement wherein hooks are positively operated to close shed
- D03C 3/32 .. Jacquard driving mechanisms
- D03C 3/34 ... Cylinder operating mechanisms
- D03C 3/36 ... Griffe operating mechanisms
- D03C 3/38 .. Comber boards
- D03C 3/40 .. Constructions of lifting-cords
- D03C 3/42 .. Arrangements of lifting-cords
- D03C 3/44 .. Lingoos

D03C 5/00 Cam or other direct-acting shedding mechanisms, i.e. operating heald frames without intervening power-supplying devices

- D03C 5/005 . { Leveling mechanisms}

WARNING

Not complete pending the completion of a reclassification, see also groups [D03C 5/00](#) and [D03C 5/02](#)

- D03C 5/02 . operated by rotating cams
- D03C 5/04 .. Construction or shape of cams ([cams in general F16H 53/00](#))
- D03C 5/06 . operated by cam devices other than rotating cams

D03C 7/00 Leno or similar shedding mechanisms

- D03C 7/005 . { Combined leno and patterned shedding motion}

WARNING

Not complete, classification to this group is a continuous process

- D03C 7/02 . Gauze healds
- D03C 7/04 . Mechanisms having discs oscillating about a weftwise axis and having apertures for warp threads
- D03C 7/06 . Mechanisms having eyed needles for moving warp threads from side to side of other warp threads
- D03C 7/08 . 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 . Healds
- D03C 9/022 .. { anti-buckling}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 9/02](#)

- D03C 9/024 .. { Eyelets}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 9/02](#)

- D03C 9/026 .. { Material used}

WARNING

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

- D03C 9/028 ... { Metal}

- D03C 9/06 . Heald frames
- D03C 9/0608 .. { Construction of frame parts}
- D03C 9/0616 ... { Horizontal upper or lower rods}
- D03C 9/0625 { Composition or used material}
- D03C 9/0633 { Heald bars or their connection to other frame parts}
- D03C 9/0641 { Distance guides for keeping distance to the next frame}
- D03C 9/065 ... { Side stays}
- D03C 9/0658 ... { Intermediate supports or their connection to other frame parts}

- D03C 9/0666 .. { Connection of frame parts ([D03C 9/0633](#) and [D03C 9/0658](#) take precedence)}
- D03C 9/0675 ... { Corner connections between horizontal rods and side stays}
- D03C 9/0683 .. { Arrangements or means for the linking to the drive system}
- D03C 9/0691 .. { 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 . { with independent drive motors ([D03C 1/146](#) and [D03C 3/205](#) take precedence)}

WARNING

Not complete pending the completion of a reclassification, see also groups [D03C 5/00](#) and [D03C 13/00](#)

- D03C 13/025 .. { with independent frame drives}

WARNING

Not complete pending the completion of a reclassification, see also groups [D03C 5/00](#) and [D03C 13/00](#)

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 2009/00 **Healds; Heald frames (for leno shedding [D03C 7/00](#))**

- D03C 2009/02 . Healds
- D03C 2009/04 .. Metal healds

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