

CPC COOPERATIVE PATENT CLASSIFICATION

D TEXTILES; PAPER

TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

D03 WEAVING

D03D WOVEN FABRICS; METHODS OF WEAVING; LOOMS

NOTES

1. Class [D06](#) takes precedence over this subclass in respect of processes involving both weaving and finishing steps and in respect of the finished fabrics.
2. A method of weaving is classified in the group designating the fabric woven unless the method is characterised by the operation of a particular loom rather than by the production of a particular fabric. In this case, the method is classified in the group for the loom.
3. In this subclass, further classification in indexing scheme [D10B](#) for aspects relating to textiles is required.
4. In this subclass, if there is any doubt as to which of the essential features is the most important (this is usually the most restrictive feature), the groups designating woven fabrics should be considered in the order in which they appear at each level of indentation, except that groups designating woven pile fabrics are to be considered as taking precedence over groups designating other woven fabrics.

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.

Woven fabrics; Methods of weaving other than those characterised by the operation of a particular loom

1/00 Woven fabrics designed to make specified articles

- 1/0005 . {Woven fabrics for safety belts}
- 1/0011 . {Woven fabrics for labels}
- 1/0017 . {Woven household fabrics}
- 1/0023 . . {Mobs or wipes}
- 1/0029 . . {Doormats}
- 1/0035 . {Protective fabrics}
- 1/0041 . . {Cut or abrasion resistant}
- 1/0047 . . {Camouflage fabrics}
- 1/0052 . . {Antiballistic fabrics}
- 1/0058 . . {Electromagnetic radiation resistant}
- 1/0064 . . {Noise dampening}
- 1/007 . . {UV radiation protecting}
- 1/0076 . {Photovoltaic fabrics}
- 1/0082 . {Fabrics for printed circuit boards}
- 1/0088 . {Fabrics having an electronic function}
- 1/0094 . {Belts ([D03D 1/0005](#) takes precedence)}
- 1/02 . Inflatable articles
- 1/04 . Sack- or bag-like articles
- 1/06 . Curtain heading tapes
- 1/08 . Ladder tapes ([ladder tapes for venetian blinds](#) [E06B 9/382](#))

3/00 Woven fabrics characterised by their shape

- 3/005 . {Tapes or ribbons not otherwise provided for ([D03D 1/0005](#), [D03D 1/0011](#), [D03D 1/06](#), [D03D 1/08](#), [D03D 1/0094](#) take precedence)}
- 3/02 . Tubular fabrics
- 3/04 . Endless fabrics
- 3/06 . Fabrics of varying width
- 3/08 . Arched, corrugated, or like fabrics

5/00 Selvages

7/00 Woven fabrics designed to be resilient, i.e. to recover from compressive stress

9/00 Open-work fabrics ([ladder-tape fabrics](#) [D03D 1/08](#))

11/00 Double or multi-ply fabrics not otherwise provided for

- 11/02 . Fabrics formed with pockets, tubes, loops, folds, tucks, or flaps ([fabrics for curtain heading tapes](#) [D03D 1/06](#); [fabrics consisting of a single tube](#) [D03D 3/02](#))

13/00 Woven fabrics characterised by the special disposition of the warp or weft threads, e.g. with curved weft threads, with discontinuous warp threads, with diagonal warp or weft

- 13/002 . {With diagonal warps or wefts}
- 13/004 . {with weave pattern being non-standard or providing special effects}
- 13/006 . {With additional leno yarn}
- 13/008 . {characterised by weave density or surface weight}

15/00 Woven fabrics characterised by the material or construction of the yarn or other warp or weft elements used

- 15/0005 . {Antistatic fabrics}
- 15/0011 . {using glass fibres}
- 15/0016 . {using threads comprising a mineral}
- 15/0022 . {using threads with beads}
- 15/0027 . {using bicomponent threads}
- 15/0033 . {using coloured threads}
- 15/0038 . {using threads made of delicate fibers}
- 15/0044 . {using knitted threads}
- 15/005 . {using leather threads}

15/0055	. {using magnetic threads}	39/02	. Axminster looms, i.e. wherein pile tufts are inserted during weaving
15/0061	. {using threads with microdenier fibers}	39/04	. . Spool Axminster looms
15/0066	. {using threads with a noble metal}	39/06	. . . Tuft yarn tube or spool frames
15/0072	. {using paper threads}	39/08	. . Gripper Axminster looms
15/0077	. {using fancy or textured threads (chenille yarns are in D03D 27/18)}	39/083	. . . {Selecting mechanisms}
15/0083	. {using threads having a particular sectional shape}	39/086	. . . {Gripper details}
15/0088	. . {Flat threads}	39/10	. Wire-tapestry looms, e.g. for weaving velvet or Brussels or Wilton carpets, the pile being formed over weftwise wires
15/0094	. {using threads with different diameters}	39/12	. . Mechanisms for operating the pile wires
15/02	. the warp or weft elements being of stiff material, e.g. wire, cane, slat	39/14	. . Construction of the pile wires, e.g. pile wires which cut
15/04	. woven to produce shapes or effects upon differential shrinkage	39/16	. Double-plush looms, i.e. for weaving two pile fabrics face-to-face
15/06	. using scaffolding threads, i.e. threads removed after weaving	39/18	. . Separating the two plush layers, e.g. by cutting
15/08	. using stretchable or elastic threads (woven fabrics whose elastic or stretch properties are due to the manner of weaving D03D 17/00)	39/20	. Looms forming pile over warpwise wires
15/10	. using threads having high or low coefficients of friction	39/22	. Terry looms
15/12	. using heat-resistant or fireproof threads	39/223	. . {Cloth control}
17/00	Woven fabrics having elastic or stretch properties due to manner of weaving (fabrics using stretchable or elastic threads D03D 15/08)	39/226	. . {Sley control}
19/00	Gauze or leno-woven fabrics	39/24	. Devices for cutting the pile on the loom (pile wires which cut D03D 39/14 ; separating two plush layers D03D 39/18)
21/00	Lappet- or swivel-woven fabrics	41/00	Looms not otherwise provided for, e.g. for weaving chenille yarn; Details peculiar to these looms
23/00	General weaving methods not special to the production of any particular woven fabric or the use of any particular loom; Weaves not provided for in any other single group	41/001	. {Hair-cloth looms}
25/00	Woven fabrics not otherwise provided for	41/002	. {Looms for weaving reed, straw or wood}
25/005	. {Three-dimensional woven fabrics}	41/004	. {Looms for three-dimensional fabrics}
27/00	Woven pile fabrics	41/005	. {Linear-shed multiphase looms}
27/02	. wherein the pile is formed by warp or weft	41/007	. {Vertical looms}
27/04	. . Weft pile fabrics	41/008	. {Looms for weaving flat yarns}
27/06	. . Warp pile fabrics	43/00	Looms with change-boxes
27/08	. . . Terry fabrics	43/02	. with drop boxes
27/10	. . Fabrics woven face-to-face, e.g. double velvet	43/04	. . Operating mechanisms
27/12	. wherein pile tufts are inserted during weaving	43/06	. with rotary boxes
27/14	. . with tufts around warps	43/08	. . Operating mechanisms
27/16	. . with tufts around wefts	43/10	. Weft catchers, i.e. means for preventing entanglement of wefts
27/18	. Chenille fabrics	45/00	Looms with automatic weft replenishment (automatic replenishment in smallware looms D03D 35/00, in circular looms D03D 37/00; bobbins rewound on loom D03J 1/12)
<u>Looms; Methods of weaving characterised by the operation of particular looms</u>		45/02	. Controlling replenishment
29/00	Hand looms	45/04	. . Pirn feelers or other detectors for initiating replenishment (weft stop motions D03D 51/34)
31/00	Lappet, swivel or other looms for forming embroidery-like decoration on fabrics	45/06	. . . mechanical
33/00	Multiple looms, i.e. two or more looms assembled together, whether or not they have mechanisms in common (D03D 35/00 takes precedence)	45/08 of the side-slip type
35/00	Smallware looms, i.e. looms for weaving ribbons or other narrow fabrics (D03D 47/00 takes precedence)	45/10	. . . electrical
35/005	. {Shuttles}	45/12	. . . optical
37/00	Circular looms (looms for weaving separate fabrics disposed in a circle or polygon D03D 33/00)	45/14	. . Storing the need for replenishment or the colour required until the spent shuttle returns to the replenishing end of the loom
39/00	Pile-fabric looms	45/16	. . . selecting thereby weft of correct colour
		45/18	. . Shuttle feelers or other devices for preventing replenishment if shuttle is incorrectly positioned in shuttle box (shuttle stop motions D03D 51/40)
		45/20	. Changing bobbins, cops, or other shuttle stock
		45/22	. . effected with shuttle in normal shuttle box
		45/24	. . effected otherwise than in normal box
		45/26	. . Magazines
		45/28	. . . for one type of thread, e.g. same colour

- 45/30 rotary
- 45/32 . . . for several types of thread, e.g. multicolour
- 45/34 . Shuttle changing
- 45/36 . . fresh shuttle being substituted for spent shuttle in the same cell of shuttle box
- 45/38 . . Shuttle box with an extra cell which is used only during replenishment
- 45/40 . . . the spent shuttle being received in the normal cell and the fresh shuttle being picked from the extra cell
- 45/42 . . . the spent shuttle being received in the extra cell and the fresh shuttle being picked from the normal cell
- 45/44 . . Magazines
- 45/46 . . . for one type of thread, e.g. single colour
- 45/48 . . . for several types of threads, e.g. multicolour
- 45/50 . Cutting, holding, manipulating, or disposing of, weft ends
- 45/52 . . Cutting weft of depleted shuttle near shuttle and holding the piece attached to the fabric
- 45/54 . . Cutting fresh weft and holding the piece attached to the fabric
- 45/56 . . Cutting depleted and fresh wefts at selvage
- 45/58 . . Removing tip bunch or fresh weft end from fresh bobbin
- 45/60 . . . substantially by air stream or suction
- 45/62 . . Disposing of waste pieces of cut weft end ([D03D 45/58 takes precedence](#))
- 47/00 Looms in which bulk supply of weft does not pass through shed, e.g. shuttleless looms, gripper shuttle looms, dummy shuttle looms ([circular looms D03D 37/00](#))**
- 47/02 . wherein loops of continuous weft thread are inserted, i.e. double picks
- 47/04 . . by a reciprocating needle having a permanently-threaded eye
- 47/06 . . by a pivoted needle having a permanently-threaded eye
- 47/08 . . . the path of the needle being modified by cams, linkages, or other means
- 47/10 . . by a forked needle pushing loop of weft through shed
- 47/12 . wherein single picks of weft thread are inserted, i.e. with shedding between each pick
- 47/125 . . {[Weft holding devices \(if the weft is reinserted in the next shed \[D03D 47/48\]\(#\); in jet looms \[D03D 47/308\]\(#\)\)](#)}
- 47/14 . . by a gripper needle taking the end of the weft through the shed
- 47/16 . . by a gripper needle entering the shed empty and drawing the weft as it retracts
- 47/18 . . two weft inserters meeting at or near the middle of the shed and transferring the weft from one to the other
- 47/20 . . Constructional features of the thread-engaging device on the inserters
- 47/22 . . . adapted for working a loop of weft part-way inserted in the shed and then straightened-out
- 47/23 . . . Thread grippers ([in dummy or gripper shuttles \[D03J 5/06\]\(#\)](#))
- 47/233 {[Carrying grippers](#)}
- 47/236 {[Drawing grippers](#)}
- 47/24 . . by gripper or dummy shuttle ([travelling-wave-shed looms \[D03D 47/26\]\(#\); inserting mechanisms for shuttles \[D03D 49/24\]\(#\); gripper or dummy shuttles \[per se \\[D03J 5/06\\]\\(#\\)\]\(#\)](#))
- 47/25 . . . inserted from only one side of loom
- 47/26 . . Travelling-wave-shed looms
- 47/261 . . . {[Preparation of weft](#)}
- 47/262 . . . {[Shedding, weft insertion or beat-up mechanisms](#)}
- 47/263 {[Weft insertion and beat-up mechanisms](#)}
- 47/265 {[Beat-up mechanisms \(\[D03D 47/263 takes precedence\]\(#\)\)](#)}
- 47/266 {[Weft insertion mechanisms \(\[D03D 47/263 takes precedence\]\(#\)\)](#)}
- 47/267 {[Shedding mechanisms](#)}
- 47/268 . . . {[Mechanisms for compensating warp tension](#)}
- 47/27 . Drive or guide mechanisms for weft inserting
- 47/271 . . {[Rapiers](#)}
- 47/272 . . . {[Rapier bands](#)}
- 47/273 . . . {[Rapier rods](#)}
- 47/275 . . {[Drive mechanisms](#)}
- 47/276 . . . {[Details or arrangement of sprocket wheels](#)}
- 47/277 . . {[Guide mechanisms \(\[for shuttles \\[D03D 49/24\\]\\(#\\)\]\(#\)\)](#)}
- 47/278 . . . {[for pneumatic looms](#)}
- 47/28 . wherein the weft itself is projected into the shed
- 47/30 . . by gas jet
- 47/3006 . . . {[Construction of the nozzles](#)}
- 47/3013 {[Main nozzles](#)}
- 47/302 {[Auxiliary nozzles](#)}
- 47/3026 . . . {[Air supply systems](#)}
- 47/3033 {[Controlling the air supply](#)}
- 47/304 {[Controlling of the air supply to the auxiliary nozzles](#)}
- 47/3046 {[Weft yarn selection](#)}
- 47/3053 {[Arrangements or lay out of air supply systems](#)}
- 47/306 {[Construction or details of parts, e.g. valves, ducts](#)}
- 47/3066 . . . {[Control or handling of the weft at or after arrival](#)}
- 47/3073 {[Detection means therefor](#)}
- 47/308 {[Stretching or holding the weft](#)}
- 47/3086 {[Weft removal \(\[extraction of defective weft after stopping at definite point in weaving cycle \\[D03D 51/085\\]\\(#\\)\]\(#\)\)](#)}
- 47/3093 . . . {[Displaying data](#)}
- 47/32 . . by liquid jet
- 47/34 . Handling the weft between bulk storage and weft-inserting means
- 47/342 . . {[knot detection](#)}
- 47/345 . . {[Rotating bobbins](#)}
- 47/347 . . {[Yarn brakes \(\[D03D 47/364 takes precedence\]\(#\)\)](#)}
- 47/36 . . Measuring and cutting the weft {; [Devices for measuring and temporary storing the weft \(\[cutting weft threads \\[D03D 49/70\\]\\(#\\)\]\(#\)\)](#)}
- 47/361 . . . {[Drum-type weft feeding devices](#)}
- 47/362 {[with yarn retaining devices, e.g. stopping pins \(\[D03D 47/367 takes precedence\]\(#\)\)](#)}
- 47/363 {[Construction or control of the yarn retaining devices](#)}
- 47/364 {[Yarn braking means acting on the drum](#)}
- 47/365 {[Brushes](#)}
- 47/366 {[Conical](#)}

- 47/367 {Monitoring yarn quantity on the drum}
- 47/368 . . . {Air chamber storage devices}
- 47/369 . . . {Communication systems}
- 47/38 . . Weft pattern mechanisms
- 47/39 . wherein cane, straw, slats, material for hair-cloth or similar material is handled
- 47/40 . Forming selvages
- 47/42 . . by knitting or interlacing loops of weft
- 47/44 . . . with additional selvage thread
- 47/46 . . by sledge shuttle or other device passing selvage thread through loop of weft ([by knitting D03D 47/44](#))
- 47/48 . . by inserting cut end of weft in next shed, e.g. by tucking, by blowing
- 47/50 . . by adhesion
- 49/00 Details or constructional features not peculiar to looms of a particular type ([temples D03J 1/22](#))**
- 49/02 . Construction of loom framework
- WARNING**
This group is in the process of being reorganised to its subgroups
- 49/022 . . {Protective hoods or curtains}
- 49/025 . . {Ground supports}
- 49/027 . . {Arrangements or means for noise reduction}
- 49/04 . Control of the tension in warp or cloth
- 49/06 . . Warp let-off mechanisms ([construction of warp beam D02H](#))
- 49/08 . . . Warp beam brakes
- 49/10 . . . Driving the warp beam to let the warp off
- 49/12 . . Controlling warp tension by means other than let-off mechanisms
- 49/14 . . . Compensating for tension differences during shedding
- 49/16 . . . Warp supplied by creel
- 49/18 . . Devices for indicating warp tension ([measuring tension of threads in general G01L 5/04](#))
- 49/20 . . Take-up motions; Cloth beams ([storage racks for beams D02H](#))
- 49/22 . . Back rests; Lease rods; Brest beams
- 49/24 . Mechanisms for inserting shuttle in shed ([shuttles per se D03J 5/00](#))
- 49/26 . . Picking mechanisms, e.g. for propelling gripper shuttles or dummy shuttles
- 49/28 . . . Driving mechanisms for the picker stick
- 49/30 operated by cam
- 49/32 operated by previously-loaded spring or equivalent
- 49/34 operated by liquid or gas pressure
- 49/36 . . . Pickers; Arresting means therefor ([check straps D03D 49/40](#))
- 49/38 . . . Picking sticks; Arresting means therefor ([check straps D03D 49/40](#))
- 49/40 . . . Check straps; Lug straps; Similar strap components
- 49/42 . . whereby the shuttle is propelled by liquid or gas pressure
- 49/44 . . whereby the shuttle is propelled by electric or magnetic means
- 49/46 . . wherein the shuttle is pushed or pulled positively ([travelling-wave-shed looms D03D 47/26](#))
- 49/48 . . positioning shuttle in readiness for picking
- 49/50 . . Miscellaneous devices or arrangements concerning insertion of weft and not otherwise provided for
- 49/52 . Shuttle boxes ([change-boxes D03D 43/00](#))
- 49/54 . . Braking means; Swells
- 49/56 . . . Shuttle relief mechanisms, i.e. reducing shuttle swell pressure before picking
- 49/58 . Shuttle guards
- 49/60 . Construction or operation of slay
- 49/62 . . Reeds mounted on slay
- 49/64 . . wherein the slay dwells or moves slowly while the weft is being inserted
- 49/66 . . Shuttle races
- 49/68 . Reeds or beat-up combs not mounted on the slay ([loose reed stop motion D03D 51/42](#))
- 49/70 . Devices for cutting weft threads ([cutting weft in looms with automatic weft replenishment D03D 45/50](#); [apparatus for slitting fabric D03J 1/08](#))
- 51/00 Driving, starting, or stopping arrangements; Automatic stop motions {loom control associated with fabric inspection on the loom D03J 1/007}**
- 51/002 . {Avoiding starting marks}
- WARNING**
Not complete, see [D03D 51/00](#)
- 51/005 . {Independent drive motors ([independent frame drives for dobbies D03C 1/146](#), [for other shedding mechanisms D03C 13/02](#))}
- WARNING**
Not complete pending the completion of a reclassification, see also groups [D03D 51/00](#) and [D03D 51/02](#)
- 51/007 . {Loom optimisation}
- WARNING**
Not complete pending the completion of a reclassification, see also groups [D03D 51/00](#) and [D03D 51/02](#)
- 51/02 . General arrangements of driving mechanism
- 51/04 . Manual controls
- 51/06 . using particular methods of stopping
- 51/08 . . stopping at definite point in weaving cycle, or moving to such point after stopping
- 51/085 . . . {Extraction of defective weft}
- 51/10 . . stopping suddenly
- 51/12 . for adjusting speed
- 51/14 . for reducing speed temporarily
- 51/16 . for varying speed cyclically
- 51/18 . Automatic stop motions
- 51/20 . . Warp stop motions
- 51/22 . . . mechanical
- 51/24 wherein droppers are suspended on individual warp threads or small groups of threads
- 51/26 Detector healds
- 51/28 . . . electrical
- 51/30 wherein droppers are suspended on individual warp threads or small groups of threads
- 51/32 Detector healds
- 51/34 . . Weft stop motions

51/36	. . . Centre weft forks	2700/145	. . . Weft clamping devices
51/38	. . . Side weft forks	2700/1454	. . . Weft controlling devices
51/40	. . Shuttle stop motions	2700/1459	. . . Weft measuring and storing devices
51/42	. . . Loose reed mechanisms	2700/1463	. . . Weft preparation by the action of a fluid, e.g. for accumulating or braking the weft
51/44	. . acting on defective operation of loom mechanisms	2700/1468	. . . Transfer of weft after insertion
51/46	. . . of shedding mechanisms	2700/1472	. . Weft insertion
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2700/00	Woven fabrics; Methods of weaving; Looms	2700/1477	. . . by gripper shuttles
2700/01	. Woven fabrics; General weaving methods	2700/1481 with forced movement
2700/0103	. . Elastic fabrics	2700/1486	. . . by means other than gripper shuttles
2700/0107	. . for collars or cuffs	2700/149 by needles
2700/0111	. . Double or multi-ply fabrics	2700/1495 by pneumatic or hydraulic means
2700/0114	. . . for conveyor belts, brakes, couplings, tyres or belts	2700/16	. Circular looms
2700/0118	. . . for absorbing shocks	2700/162	. . Weft inserting means
2700/0122	. . Tapes	2700/164	. . Beat-up means
2700/0125	. . . for carrying liquids, e.g. typewriter tape	2700/166	. . Shuttle changing means
2700/0129	. . . Memory tapes	2700/168	. . Driving mechanism for the warp or cloth beam; Shed forming devices
2700/0133	. . characterised by the material of warp or weft	2700/19	. Take-up motions, also in combination with warp let-off mechanisms; Breast beams
2700/0137	. . . Combination of different materials	2700/25	. Devices for weft changing in looms
2700/014	. . . Warp or weft treated before weaving	2700/26	. Driving or stopping arrangements for looms
2700/0144	. . . Use of threads with different characteristics for subsequent treatments	2700/265	. . Electric driving arrangements
2700/0148	. . . with glass, carbon or asbestos fibres	2700/30	. Warp stop motions
2700/0151	. . made of paper	2700/305	. . electrical
2700/0155	. . Industrial fabrics	2700/31	. Weft stop motions, also combined with warp stop motions
2700/0159	. . . Screens or filters	2700/313	. . electrical
2700/0162	. . . Paper making felts	2700/316	. . Feeler devices for the weft or the shuttle
2700/0166	. . Fabrics with electric conductors	2700/50	. Pile-fabric looms; Pile fabrics
2700/017	. . Cleaning fabrics or footmats	2700/53	. . Weaving of loop ribbons or chenille
2700/0174	. . Fabrics for special use	2700/54	. . Wire-tapestry looms for warp pile fabrics
2700/0177	. . . Absorbing fabrics, e.g. for sanitary towels	2700/58	. . Control devices for the warp pile
2700/0181	. . . for neckties or shawls	2700/60	. . Pile fabric weaving in general
2700/0185	. . . for linings	2700/61	. . Fabrics for fasteners of the touch-and-close type
2700/0188	. . . for curtains	2700/80	. Weaving of metallic fabrics
2700/0192	. . Fabrics with beads	2700/81	. . Shed forming devices
2700/0196	. . Reinforced fabrics	2700/82	. . Looms with fixed weft bobbins
2700/02	. Belts	2700/821	. . . Transfer of the weft from the bobbin to the insertion device
2700/03	. Tubular fabrics or bags; Endless fabrics	2700/823	. . . Transfer of the weft after insertion
2700/10	. Smallware looms	2700/825	. . . Insertion of the weft
2700/101	. . Devices for driving the shuttles	2700/826 by means of gripper shuttles
2700/103	. . Devices for weft insertion from fixed bobbins	2700/828 by means of gripper needles
2700/105	. . Devices for forming the selvages	2700/83	. . Selvage forming
2700/106	. . Devices for changing the shuttles or cops	2700/84	. . Transport or guiding of the warp; Warp beams
2700/108	. . Devices for driving the warp or cloth beam	2700/85	. . Cloth take-up mechanisms, also combined with warp let-off mechanisms; Breast beams
2700/12	. Looms for weaving two or more fabrics at the same time	2700/86	. . Shuttle driving devices
2700/14	. Looms in which bulk supply of weft does not pass through the shed	2700/865	. . . Shuttles
2700/1404	. . Weft bobbin supports	2700/87	. . Arrangements for the slay; Construction of the slay
2700/1409	. . Transfer of weft to the shuttle	2700/88	. . Control devices; e.g. for weft or warp
2700/1413	. . . Transfer or weft of different colours or types	2700/90	. Pickers or arresting means
2700/1418	. . . Simultaneous transfer of several wefts		
2700/1422	. . . with weft treatment, e.g. dyeing or twisting		
2700/1427	. . . Unwinding of weft from a fixed bobbin		
2700/1431	. . . Weft supplying or guiding		
2700/1436	. . . Weft tensioning devices		
2700/144	. . . Weft cutting devices		
2700/1445	. . . Weft braking devices		