

D02H

WARPING, BEAMING OR LEASING

Definition statement

This subclass/group covers:

Apparatuses and methods for warping, beaming and leasing of warp yarns in preparation of the weaving process.

Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

Warping	comprises winding parts of the warp yarns, normally from bobbins, on a warping beam, whereby sequential parts are wound next to each other until the full weaving width is covered. The warping beam is then normally in a next step of warp preparation used for beaming
Beaming	comprises winding the full width of the warp yarns in a single winding operation on the weaving beam (i.e. the beam which is to be placed on the loom). The warp yarns can be wound from a creel or a warping beam.
Leasing	comprises inserting lease cords between the warp yarns to separate groups of warp yarns.
Fibre	a relatively-short, elongated member of natural or artificial material
Filament:	an endless or quasi-endless, elongated member of natural (e.g. silk) or artificial material
Yarn	a unitary assembly of fibres, usually produced by spinning
Thread:	an assembly of yarns or filaments, usually produced by twisting

D02H 1/00

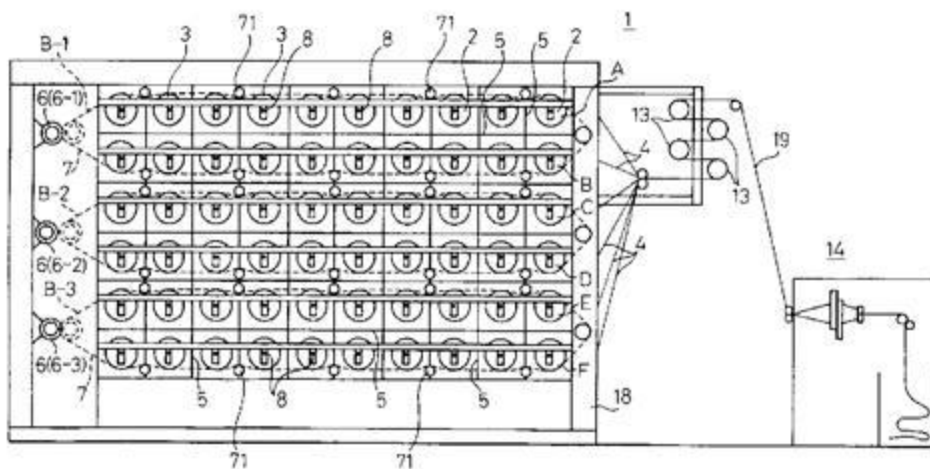
Creels, i.e. apparatus for supplying a multiplicity of individual threads

Definition statement

This subclass/group covers:

Structures with yarn packages for supplying a multiplicity of individual threads in particular to warping machines or looms.

Illustrative example of subject matter classified in this group (EP-A1-0 732 433):



Informative references

Attention is drawn to the following places, which may be of interest for search:

Methods and apparatus with yarn packages for supplying individual threads (i.e. creels in general)	B65H 49/02 , B65H 49/18
Controlling warp tension if the warp is supplied to the weaving machine by a creel	D03D 49/16

D02H 3/00

Warping machines

Definition statement

This subclass/group covers:

Apparatuses and methods for winding warps normally from a creel on a beam (from where it is, as a next step, normally wound on the warp beam of the loom).

D02H 3/02

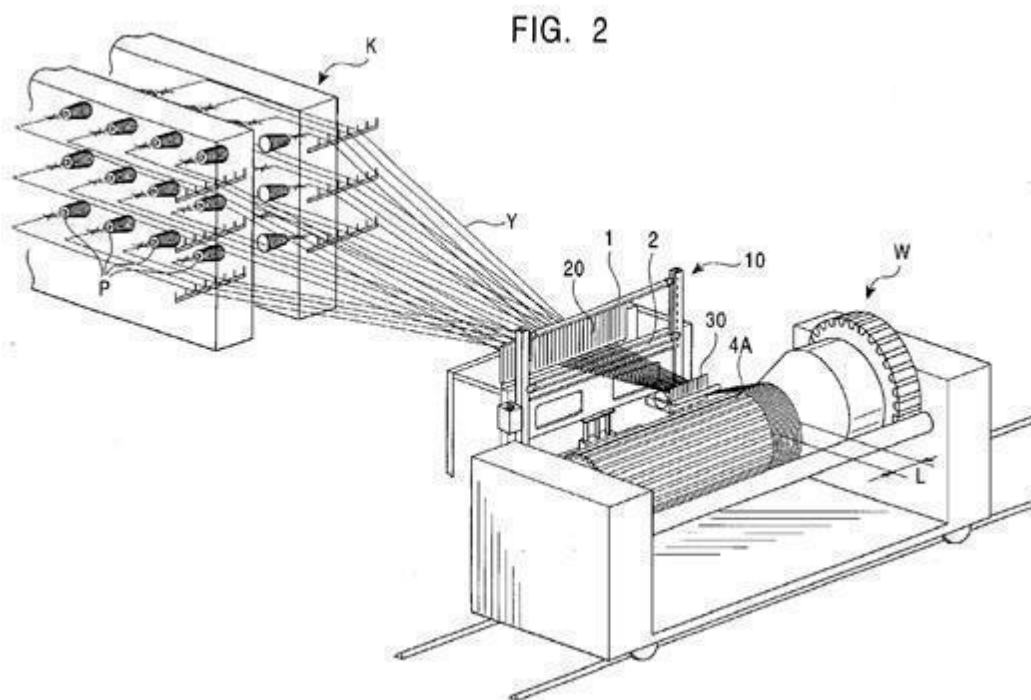
[N: Sectional warpers]

Definition statement

This subclass/group covers:

Sectional warpers which normally feature a large drum and feeding warp threads perpendicular to the drum axis from a bobbin creel.

Illustrative example of subject matter classified in this group (EP-A2-1 510 605):



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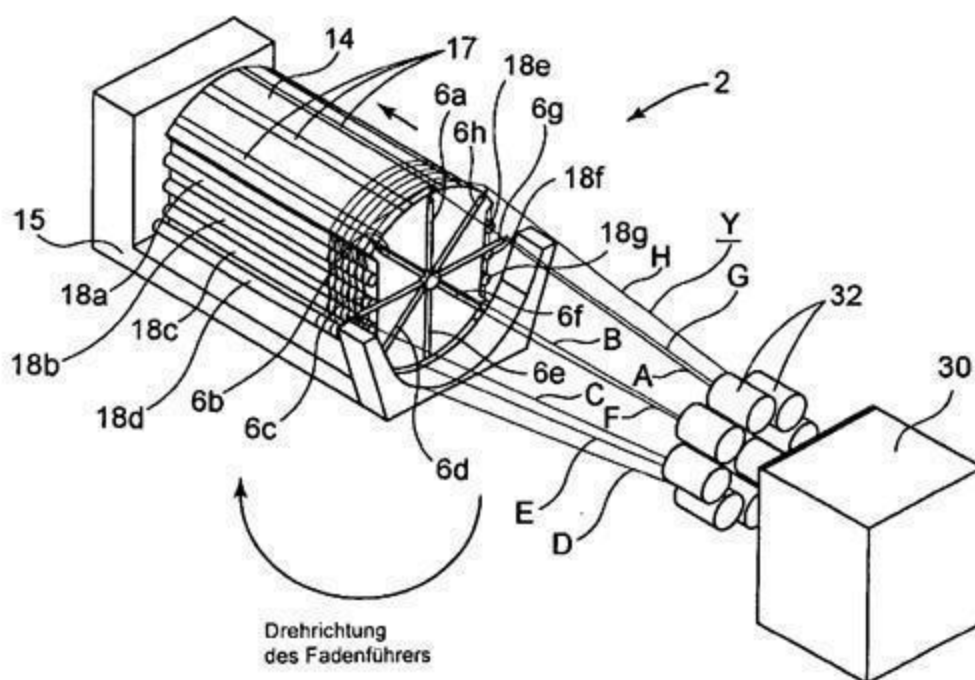
[N: Sample warpers]

Definition statement

This subclass/group covers:

Warpers for warping relatively short lengths of warp threads which are used for weaving a sample fabric. These warpers are normally sectional warpers with sideways winding from a bobbin creel.

Illustrative example of subject matter classified in this group
(DE-A1-102006023496):



D02H 5/00

Beaming machines

Definition statement

This subclass/group covers:

Apparatuses and methods for beaming whereby a full width of warp yarns is wound in a single winding operation on the weaving beam (i.e. the beam to be placed in the loom). The warp yarns can be unwound from a creel (i.e. direct beaming) or from a warping beam.

D02H 7/00

Combined warping and beaming machines

Definition statement

This subclass/group covers:

Machines wherein the functions of warping and beaming are united, e.g. by using sectional beaming to create a beam which can be directly used in a weaving machine.

References relevant to classification in this group

This subclass/group does not cover:

Direct beaming wherein the whole width of warp yarns is beamed at once	D02H 5/00
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D02H 9/00

Leasing

Definition statement

This subclass/group covers:

Apparatuses and methods for inserting lease cords between the warp yarns to separate groups of warp yarns.

D02H 11/00

Methods or apparatus not provided for in the preceding groups, e.g. for cleaning the warp

Definition statement

This subclass/group covers:

Methods or apparatus not provided for in the groups [D02H 1/00](#) - [D02H 9/00](#), e.g. for cleaning the warp.

D02H 13/00

Details of machines of the preceding groups

Definition statement

This subclass/group covers:

Details of machines of the groups [D02H 1/00](#) - [D02H 11/00](#).

D02H 13/02

Stop motions

Informative references

Attention is drawn to the following places, which may be of interest for search:

Applications of devices for metering predetermined lengths of running material	B65H 61/00
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Warning or safety devices, e.g. stop-motions	B65H 63/00
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D02H 13/12

Variable-speed driving mechanisms

Informative references

Attention is drawn to the following places, which may be of interest for search:

Adjusting or controlling tension in filamentary material in general	B65H 59/00
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D02H 13/16

Reeds, combs, or other devices for determining the spacing of threads

Informative references

Attention is drawn to the following places, which may be of interest for search:

Reeds or beat-up combs in looms	D03D 49/62 or D03D 49/68 .
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D02H 13/22

Tensioning devices

Informative references

Attention is drawn to the following places, which may be of interest for search:

Adjusting or controlling tension in filamentary material in general	B65H 59/00
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