

D01C

CHEMICAL OR BIOLOGICAL TREATMENT OF NATURAL FILAMENTARY OR FIBROUS MATERIAL TO OBTAIN FILAMENTS OR FIBRES FOR SPINNING; CARBONISING RAGS TO RECOVER ANIMAL FIBRES

Definition statement

This place covers:

Chemical or biological treatment of natural filamentary or fibrous materials to obtain filaments or fibres that are subsequently used for spinning, i.e. the recovery of the fibres and/or filaments from natural materials. It also covers the carbonisation of rags and other fibrous materials to recover animal fibres. Please note that in this context "carbonisation" does not mean that carbon fibres are produced, but only that vegetable impurities are removed from the fibres, usually by an aqueous acidic treatment.

Relationships with other classification places

This subclass does not cover the treatment of fibrous materials after said materials have already been recovered from the natural materials, nor the treatment of fibrous materials after the filaments or fibres have been spun.

The chemical treatment of natural filamentary or fibrous materials after the filament/fibres have been recovered from their natural matrices is classified in [D06M](#), with the exception of the carbonisation of rags made of animal fibres. In case of doubt, both classes should be allocated.

When a document is also related to a neighbouring field it should always be circulated to the related classifiers. In the cases where many different applications of the invention are claimed, the document should only be circulated to the exemplified or the most relevant technical field.

The manufacture of artificial filaments or fibres is classified in [D01D](#) (mechanical aspects) and [D01F](#) (chemical aspects). Please note that man-made cellulosic fibres such as viscose or lyocell are considered to be artificial.

References

Informative references

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

Mechanical treatment of natural filamentary or fibrous materials to obtain filaments or fibres for spinning	D01B
Chemical or biological treatment of natural fibrous material after it has been extracted from its natural matrix	D06M
Extraction of paper (pulp) fibres from natural materials such as wood (mechanical aspects)	D21B
Extraction of paper (pulp) fibres from natural materials such as wood (chemical aspects)	D21C

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Fibre	a relatively-short, elongated member of natural or artificial material;
Filament	an endless or quasi-endless, elongated member of natural or artificial material
Yarn	a unitary assembly of fibres, usually produced by spinning;

Thread	an assembly of yarns or filaments, usually produced by twisting
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D01C 1/00

Treatment of vegetable material

Definition statement

This place covers:

The treatment of vegetable materials to obtain fibres, e.g. enzymatic retting in the absence of living organisms

D01C 1/04

Bacteriological retting

Definition statement

This place covers:

Retting in the presence of bacteria or other organisms.

D01C 3/00

Treatment of animal material, e.g. chemical scouring of wool

Definition statement

This place covers:

The treatment of animal materials to obtain fibres, e.g. wool scouring, silk degumming.

References

Informative references

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

Carbonisation of rags to obtain animals fibres	D01C 5/00
Recovery of lanolin or wool wax	C11B 11/00
De-sizing and industrial washing	D06L

D01C 5/00

Carbonising rags to recover animal fibres

Definition statement

This place covers:

The carbonisation of rags or others fibrous materials to recover animal fibres.

Relationships with other classification places

"Carbonisation" does not mean that the fibres are carbonized, but only that vegetable impurities are removed from the fibres, usually by an aqueous acidic treatment.

Treatment of threads or fabrics of animal fibres for other purposes than removal of vegetable impurities is classified in [D06L](#) or [D06M](#). Fibres that are carbonized are classified in [D01F 9/00](#).

References

Informative references

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

Artificial filaments; Manufacture thereof; Apparatus specially adapted for the manufacture of carbon filaments	D01F 9/00
Treatment of threads or fabrics, e.g. dry-cleaning, washing or bleaching fibres, filaments, threads, Yarns or fabrics	D06L
Chemical or biological removal of vegetable impurities from threads or fabrics of animal fibres	D06M