

## SECTION D — TEXTILES; PAPER

### D07 ROPES; CABLES OTHER THAN ELECTRIC

**D07B ROPES OR CABLES IN GENERAL** (joining ropes or cables to one another or to other objects B65H 69/00, F16G 11/00; mechanical finishing or dressing of ropes D02J; decorative ropes or cords D04D; suspension cables for bridges E01D 19/16; specially adapted for driving, or for being driven by, pulleys or other gearing elements F16G 9/00; electric cables or joints insofar as electrical aspects are essential H01B, H01R)

#### Note(s) [2014.01]

In this class, the following terms are used with the meanings indicated:

- "fibre" means a relatively-short, elongated member of natural or man-made material;
- "filament" means an endless or quasi-endless, elongated member of natural or man-made material;
- "yarn" means a unitary assembly of fibres, usually produced by spinning;
- "thread" means an assembly of yarns or filaments, usually produced by twisting;
- "synthetic" fibres or filaments means fibres or filaments or the like manufactured from synthesising polymers or small molecules. Examples are polyamide, acrylic, polyester or carbon fibres;
- "artificial" fibres or filaments means fibres or filaments or the like manufactured by man from natural polymers or their derivatives. Examples are regenerated cellulosic fibres or semi-synthetic fibres;
- "man-made" fibres or filaments means fibres or filaments which are manufactured by man including "synthetic" or "artificial" fibres.

#### Subclass index

STRUCTURAL FEATURES.....	1/00
MANUFACTURE	
Machines of general application.....	3/00
Details, auxiliary devices.....	7/00
Making from special material.....	5/00
Making ropes or cables of particular form.....	5/00
Binding or sealing ends.....	9/00

#### **1/00 Constructional features of ropes or cables**

- 1/02 • Ropes built-up from fibrous or filamentary material, e.g. of vegetable origin, of animal origin, regenerated cellulose, plastics
- 1/04 • • with a core of fibres or filaments arranged parallel to the centre line
- 1/06 • Ropes or cables built-up from metal wires, e.g. of section wires around a hemp core
- 1/08 • • the layers of which are made of profiled interlocking wires, i.e. the strands forming concentric layers
- 1/10 • • • with a core of wires arranged parallel to the centre line
- 1/12 • Ropes or cables with a hollow core
- 1/14 • Ropes or cables with incorporated auxiliary elements, e.g. for making, extending throughout the length of the rope or cable
- 1/16 • Ropes or cables with an enveloping sheathing or inlays of rubber or plastics (D07B 1/04, D07B 1/10 take precedence)
- 1/18 • Grommets
- 1/20 • Buoyant ropes, e.g. with air-filled cellular cores; Accessories therefor
- 1/22 • Flat or flat-sided ropes; Sets of ropes consisting of a series of parallel ropes

#### **Manufacture of ropes or cables**

- 3/00 General-purpose machines or apparatus for producing twisted ropes or cables from component strands of the same or different material**
- 3/02 • in which the supply reels rotate about the axis of the rope or cable
- 3/04 • • and are arranged in tandem along the axis of the machine
- 3/06 • • and are spaced radially from the axis of the machine
- 3/08 • in which the take-up reel rotates about the axis of the rope or cable and the supply reels are fixed in position
- 3/10 • • with provision for imparting more than one complete twist to the ropes or cables for each revolution of the take-up reel
- 3/12 • operating with rotating loops of filaments
- 3/14 • hand-operated
- 5/00 Making ropes or cables from special materials or of particular form**
- 5/02 • from straw or like vegetable material
- 5/04 • Rope bands
- 5/06 • from natural or man-made staple fibres
- 5/08 • • agglutinated by adhesives

## D07B

- 5/10 • from strands of non-circular cross-section
- 5/12 • of low twist or low tension by processes comprising setting or straightening treatments

### **7/00 Details of, or auxiliary devices incorporated in, rope- or cable-making machines; Auxiliary apparatus associated with such machines**

- 7/02 • Machine details; Auxiliary devices
- 7/04 • • Devices for imparting reverse rotation to bobbin- or reel cages
- 7/06 • • Bearing supports or brakes for supply bobbins or reels
- 7/08 • • Alarms or stop motions responsive to exhaustion or breakage of filamentary material fed from supply reels or bobbins

- 7/10 • • Devices for taking-up or winding the finished rope or cable
- 7/12 • • for softening, lubricating, or impregnating ropes, cables, or component strands thereof
- 7/14 • • for coating or wrapping ropes, cables, or component strands thereof (applying liquids or other fluent materials to surfaces in general B05; wrapping elongated cores in general B65H 81/06)
- 7/16 • Auxiliary apparatus
- 7/18 • • for spreading or untwisting ropes or cables into constituent parts for treatment or splicing purposes

### **9/00 Binding or sealing ends, e.g. to prevent unravelling**