

## 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)

#### 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 formed 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

- 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 artificial staple fibres
- 5/08 • • agglutinated by adhesives
- 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

#### 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

**D07B**

- 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**