

**CPC****COOPERATIVE PATENT CLASSIFICATION****D07B**

**ROPES OR CABLES IN GENERAL** (joining ropes or cables to one another or to other objects [B65H 69/00](#), [F16G 11/00](#); {mountaineering ropes [A63B 29/02](#)}; mechanical finishing or dressing of ropes [D02J](#); {braiding [D04C](#)}; 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](#))

**D07B 1/00****Constructional features of ropes or cables****D07B 1/005**

- {Composite ropes, i.e. ropes built-up from fibrous or filamentary material and metal wires}

**D07B 1/02**

- Ropes built-up from fibrous or filamentary material, e.g. of vegetable origin, of animal origin, regenerated cellulose, plastics

**D07B 1/025**

- . {comprising high modulus, or high tenacity, polymer filaments or fibres, e.g. liquid-crystal polymers}

**D07B 1/04**

- . with a core of fibres or filaments arranged parallel to the centre line

**D07B 1/06**

- Ropes or cables built-up from metal wires, e.g. of section wires around a hemp core

**D07B 1/0606**

- . {Reinforcing cords for rubber or plastic articles}

**D07B 1/0613**

- . . {the reinforcing cords being characterised by the rope configuration}

**D07B 1/062**

- . . {the reinforcing cords being characterised by the strand configuration}

**D07B 1/0626**

- . . . {the reinforcing cords consisting of three core wires or filaments and at least one layer of outer wires or filaments, i.e. a 3+N configuration}

**D07B 1/0633**

- . . . {having a multiple-layer configuration}

**D07B 1/064**

- . . . {the reinforcing cords being twisted and with at least one wire exchanging place with another wire}

**D07B 1/0646**

- . . . {comprising longitudinally preformed wires}

**D07B 1/0653**

- . . . {in the core}

**D07B 1/066**

- . . . {the wires being made from special alloy or special steel composition}

**D07B 1/0666**

- . . . {the wires being characterised by an anti-corrosive or adhesion promoting coating}

**D07B 1/0673**

- . . {having a rope configuration}

**D07B 1/068**

- . . {characterised by the strand design}

**D07B 1/0686**

- . . {characterised by the core design}

**D07B 1/0693**

- . . {having a strand configuration}

**D07B 1/08**

- . the layers of which are formed of profiled interlocking wires, i.e. the strands forming concentric layers {(D07B 1/0606 takes precedence)}

**D07B 1/10**

- . . with a core of wires arranged parallel to the centre line

**D07B 1/12**

- Ropes or cables with a hollow core

**D07B 1/14**

- Ropes or cables with incorporated auxiliary elements, e.g. for marking, extending throughout the length of the rope or cable

**D07B 1/141**

- . {comprising liquid, pasty or powder agents, e.g. lubricants or anti-corrosive oils or greases}

- D07B 1/142 . . . {for ropes or rope components built-up from fibrous or filamentary material}
- D07B 1/144 . . . {for cables or cable components built-up from metal wires}
- D07B 1/145 . . {comprising elements for indicating or detecting the rope or cable status}
- D07B 1/147 . . {comprising electric conductors or elements for information transfer (D07B 1/145 takes precedence)}
- D07B 1/148 . . {comprising marks or luminous elements}
- D07B 1/16 . . Ropes or cables with an enveloping sheathing or inlays of rubber or plastics (D07B 1/04, D07B 1/10 take precedence)
- D07B 1/162 . . {characterised by a plastic or rubber enveloping sheathing}
- D07B 1/165 . . {characterised by a plastic or rubber inlay}
- D07B 1/167 . . . {having a predetermined shape}
- D07B 1/18 . . Grommets {(slings B66C 1/12)}
- D07B 1/185 . . {characterised by the eye construction}
- D07B 1/20 . . Buoyant ropes, e.g. with air-filled cellular cores; Accessories therefor
- D07B 1/22 . . Flat or flat-sided ropes; Sets of ropes consisting of a series of parallel ropes

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

- D07B 3/00      General-purpose machines or apparatus for producing twisted ropes or cables from component strands of the same or different material**
- D07B 3/005 . . {with alternating twist directions}
- D07B 3/02 . . in which the supply reels rotate about the axis of the rope or cable {or in which a guide member rotates about the axis of the rope or cable to guide the component strands away from the supply reels in fixed position}
- D07B 3/04 . . and are arranged in tandem along the axis of the machine, {e.g. tubular or high-speed type stranding machine}
- D07B 3/045 . . . {with the reels axially aligned, their common axis coinciding with the axis of the machine}
- D07B 3/06 . . and are spaced radially from the axis of the machine, {i.e. basket or planetary-type stranding machine}
- D07B 3/08 . . in which the take-up reel rotates about the axis of the rope or cable {or in which a guide member rotates about the axis of the rope or cable to guide the rope or cable on the take-up reel in fixed position} and the supply reels are fixed in position
- D07B 3/085 . . {in which a guide member rotates about the axis of the rope or cable to guide the rope or cable on the take-up reel in fixed position}
- D07B 3/10 . . with provision for imparting more than one complete twist to the ropes or cables for each revolution of the take-up reel {or of the guide member}
- D07B 3/103 . . . {characterised by the bow construction}
- D07B 3/106 . . . {characterised by comprising two bows, both guiding the same bundle to impart a twist}
- D07B 3/12 . . operating with rotating loops of filaments
- D07B 3/14 . . hand-operated

**D07B 5/00****Making ropes or cables from special materials or of particular form**

D07B 5/002

- {Making parallel wire strands}

D07B 5/005

- {characterised by their outer shape or surface properties}

**WARNING**

Group [D07B 5/005](#) is impacted by reclassification into group [D07B 5/006](#).

Groups [D07B 5/005](#) and [D07B 5/006](#) should be considered in order to perform a complete search.

D07B 5/006

- • {by the properties of an outer surface polymeric coating}

**WARNING**

Group [D07B 5/006](#) is incomplete pending reclassification of documents from group [D07B 5/005](#).

Groups [D07B 5/005](#) and [D07B 5/006](#) should be considered in order to perform a complete search.

D07B 5/007

- {comprising postformed and thereby radially plastically deformed elements}

D07B 5/02

- from straw or like vegetable material

D07B 5/04

- Rope bands

D07B 5/06

- from natural or artificial staple fibres

D07B 5/08

- • agglutinated by adhesives

D07B 5/10

- from strands of non-circular cross-section

D07B 5/12

- of low twist or low tension by processes comprising setting or straightening treatments

**D07B 7/00****Details of, or auxiliary devices incorporated in, rope- or cable-making machines; Auxiliary apparatus associated with such machines**

D07B 7/02

- Machine details; Auxiliary devices

D07B 7/022

- • {Measuring or adjusting the lay or torque in the rope}

D07B 7/025

- • {Preforming the wires or strands prior to closing}

D07B 7/027

- • {Postforming of ropes or strands}

D07B 7/04

- • Devices for imparting reverse rotation to bobbin- or reel cages

D07B 7/06

- • Bearing supports or brakes for supply bobbins or reels

D07B 7/08

- • Alarms or stop motions responsive to exhaustion or breakage of filamentary material fed from supply reels or bobbins

D07B 7/10

- • Devices for taking-up or winding the finished rope or cable

D07B 7/12

- • for softening, lubricating or impregnating ropes, cables, or component strands thereof

D07B 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](#))

D07B 7/145

- • • {Coating or filling-up interstices}

## D07B 7/16

- Auxiliary apparatus

**WARNING**

Group [D07B 7/16](#) is impacted by reclassification into group [D07B 7/169](#).  
Groups [D07B 7/16](#) and [D07B 7/169](#) should be considered in order to perform a complete search.

## D07B 7/162

- {Vices or clamps for bending or holding the rope or cable during splicing}

## D07B 7/165

- {for making slings}

## D07B 7/167

- {for joining rope components}

## D07B 7/169

- {for interconnecting two cable or rope ends, e.g. by splicing or sewing (fixation or holding of the ends prior to or during splicing [D07B 7/162](#); joining the rope or cable components individually or joining the rope ends by permanent means such as welding, gluing or crimp sleeve [D07B 7/167](#); preparing the splice by opening the ends [D07B 7/18](#))}

**WARNING**

Group [D07B 7/169](#) is incomplete pending reclassification of documents from group [D07B 7/16](#).

Groups [D07B 7/16](#) and [D07B 7/169](#) should be considered in order to perform a complete search.

## D07B 7/18

- for spreading or untwisting ropes or cables into constituent parts for treatment or splicing purposes

**WARNING**

Group [D07B 7/18](#) is impacted by reclassification into groups [D07B 7/182](#), [D07B 7/185](#), and [D07B 7/187](#).

All groups listed in this Warning should be considered in order to perform a complete search.

## D07B 7/182

- {for spreading ropes or cables by hand-operated tools for splicing purposes, e.g. needles or spikes}

**WARNING**

Group [D07B 7/182](#) is incomplete pending reclassification of documents from groups [D07B 7/18](#).

Groups [D07B 7/18](#) and [D07B 7/182](#) should be considered in order to perform a complete search.

## D07B 7/185

- {for temporarily untwisting ropes or cables into constituent parts for applying a coating}

**WARNING**

Group [D07B 7/185](#) is incomplete pending reclassification of documents from group [D07B 7/18](#).

Groups [D07B 7/18](#) and [D07B 7/185](#) should be considered in order to perform a complete search.

D07B 7/187 . . . {for forming bulbs in ropes or cables}

**WARNING**

Group [D07B 7/187](#) is incomplete pending reclassification of documents from group [D07B 7/18](#).

Groups [D07B 7/18](#) and [D07B 7/187](#) should be considered in order to perform a complete search.

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**D07B 9/00                      Binding or sealing ends, e.g. to prevent unravelling**

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**D07B 2201/00              Ropes or cables**

- D07B 2201/10 . Rope or cable structures
- D07B 2201/1004 . . General structure or appearance
- D07B 2201/1008 . . . Several parallel ropes
- D07B 2201/1012 . . characterised by their internal structure
- D07B 2201/1014 . . . characterised by being laid or braided from several sub-ropes or sub-cables, e.g. hawsers
- D07B 2201/1016 . . . characterised by the use of different strands
- D07B 2201/102 . . . including a core
- D07B 2201/1024 . . Structures that change the cross-sectional shape
- D07B 2201/1028 . . characterised by the number of strands
- D07B 2201/1032 . . . three to eight strands respectively forming a single layer
- D07B 2201/1036 . . . nine or more strands respectively forming multiple layers
- D07B 2201/104 . . twisted
- D07B 2201/1044 . . . characterised by a value or range of the pitch parameter given
- D07B 2201/1048 . . . using regular lay, i.e. the wires or filaments being parallel to rope axis
- D07B 2201/1052 . . . using lang lay, i.e. the wires or filaments being inclined relative to the rope axis
- D07B 2201/1056 . . . using alternate lay, i.e. the wires or filaments in the strands being oppositely inclined relative to the rope axis
- D07B 2201/106 . . . Pitch changing over length
- D07B 2201/1064 . . . characterised by lay direction of the strand compared to the lay direction of the wires in the strand
- D07B 2201/1068 . . . . having the same lay direction
- D07B 2201/1072 . . . Compact winding, i.e. S/S or Z/Z
- D07B 2201/1076 . . . Open winding
- D07B 2201/108 . . . . Cylinder winding, i.e. S/Z or Z/S
- D07B 2201/1084 . . . . Different twist pitch
- D07B 2201/1088 . . false twisted
- D07B 2201/1092 . . Parallel strands
- D07B 2201/1096 . . braided
- D07B 2201/20 . Rope or cable components
- D07B 2201/2001 . . Wires or filaments

D07B 2201/2002	. . .	characterised by their cross-sectional shape
D07B 2201/2003	. . . .	flat
D07B 2201/2004	. . . .	triangular
D07B 2201/2005	. . . .	oval
D07B 2201/2006	. . .	characterised by a value or range of the dimension given
D07B 2201/2007	. . .	characterised by their longitudinal shape
D07B 2201/2008	. . . .	wavy or undulated
D07B 2201/2009	. . .	characterised by the materials used
D07B 2201/201	. . .	characterised by a coating
D07B 2201/2011	. . . .	comprising metals
D07B 2201/2012	. . . .	comprising polymers
D07B 2201/2013	. . . .	comprising multiple layers
D07B 2201/2014	. . .	Compound wires or compound filaments
D07B 2201/2015	. .	Strands
D07B 2201/2016	. . .	characterised by their cross-sectional shape
D07B 2201/2017	. . . .	triangular
D07B 2201/2018	. . . .	oval
D07B 2201/2019	. . .	pressed to shape
D07B 2201/202	. . .	characterised by a value or range of the dimension given
D07B 2201/2021	. . .	characterised by their longitudinal shape
D07B 2201/2022	. . .	coreless
D07B 2201/2023	. . .	with core
D07B 2201/2024	. . .	twisted
D07B 2201/2025	. . . .	characterised by a value or range of the pitch parameter given
D07B 2201/2026	. . . .	Pitch changing over length
D07B 2201/2027	. . . .	Compact winding
D07B 2201/2028	. . . . .	having the same lay direction and lay pitch
D07B 2201/2029	. . . .	Open winding
D07B 2201/203	. . . . .	Cylinder winding, i.e. S/Z or Z/S
D07B 2201/2031	. . . . .	Different twist pitch
D07B 2201/2032	. . . . .	compared with the core
D07B 2201/2033	. . .	Parallel wires
D07B 2201/2034	. . .	comprising crossing wires or filaments in the same layer
D07B 2201/2035	. . .	false twisted
D07B 2201/2036	. . .	characterised by the use of different wires or filaments
D07B 2201/2037	. . . .	regarding the dimension of the wires or filaments
D07B 2201/2038	. . .	characterised by the number of wires or filaments
D07B 2201/2039	. . . .	three to eight wires or filaments respectively forming a single layer
D07B 2201/204	. . . .	nine or more wires or filaments respectively forming multiple layers
D07B 2201/2041	. . .	characterised by the materials used

D07B 2201/2042	. . .	characterised by a coating
D07B 2201/2043	. . . .	comprising metals
D07B 2201/2044	. . . .	comprising polymers
D07B 2201/2045	. . . .	comprising multiple layers
D07B 2201/2046	. . .	comprising fillers
D07B 2201/2047	. .	Cores
D07B 2201/2048	. . .	characterised by their cross-sectional shape
D07B 2201/2049	. . . .	having protrusions extending radially functioning as spacer between strands or wires
D07B 2201/2051	. . .	characterised by a value or range of the dimension given
D07B 2201/2052	. . .	characterised by their structure
D07B 2201/2053	. . . .	being homogeneous
D07B 2201/2054	. . . . .	comprising foam material
D07B 2201/2055	. . . .	comprising filaments or fibers
D07B 2201/2056	. . . . .	arranged parallel to the axis
D07B 2201/2057	. . . . .	resulting in a twisted structure
D07B 2201/2058	. . . . .	comprising fillers
D07B 2201/2059	. . . .	comprising wires
D07B 2201/206	. . . . .	arranged parallel to the axis
D07B 2201/2061	. . . . .	resulting in a twisted structure
D07B 2201/2062	. . . . .	comprising fillers
D07B 2201/2063	. . . .	being hollow
D07B 2201/2064	. . . .	being discontinuous in the longitudinal direction
D07B 2201/2065	. . . .	comprising a coating
D07B 2201/2066	. . .	characterised by the materials used
D07B 2201/2067	. . .	characterised by the elongation or tension behaviour
D07B 2201/2068	. . . .	having a load bearing function
D07B 2201/2069	. . . .	being elastic
D07B 2201/207	. . . .	being viscous
D07B 2201/2071	. .	Spacers
D07B 2201/2072	. . .	characterised by the materials used
D07B 2201/2073	. . .	in circumferencial direction
D07B 2201/2074	. . .	in radial direction
D07B 2201/2075	. .	Fillers
D07B 2201/2076	. . .	having a lubricant function
D07B 2201/2077	. . .	having an anti-corrosive function
D07B 2201/2078	. . .	having a load bearing function
D07B 2201/2079	. . .	characterised by the kind or amount of filling
D07B 2201/208	. . . .	having an open structure
D07B 2201/2081	. . . .	having maximum filling

D07B 2201/2082	. . . characterised by the materials used
D07B 2201/2083	. . Jackets or coverings
D07B 2201/2084	. . . characterised by their shape
D07B 2201/2085	. . . . concerning the internal shape
D07B 2201/2086	. . . . concerning the external shape
D07B 2201/2087	. . . being of the coated type
D07B 2201/2088	. . . having multiple layers
D07B 2201/2089	. . . comprising wrapped structures
D07B 2201/209	. . . comprising braided structures
D07B 2201/20903	. . . comprising woven structures
D07B 2201/20907	. . . comprising knitted structures
D07B 2201/2091	. . . being movable relative to the internal structure
D07B 2201/2092	. . . characterised by the materials used
D07B 2201/2093	. . . . being translucent
D07B 2201/2094	. . . . being luminescent or reflective
D07B 2201/2095	. . Auxiliary components, e.g. electric conductors or light guides
D07B 2201/2096	. . . Light guides
D07B 2201/2097	. . . Binding wires
D07B 2201/2098	. . . . characterized by special properties or the arrangements of the binding wire

**D07B 2205/00****Rope or cable materials**

D07B 2205/10	. Natural organic materials
D07B 2205/103	. . Animal and plant materials
D07B 2205/106	. . . Manila, hemp or sisal
D07B 2205/20	. Organic high polymers
D07B 2205/2003	. . Thermoplastics
D07B 2205/2007	. . Duroplastics
D07B 2205/201	. . Polyolefins
D07B 2205/2014	. . . High performance polyolefins, e.g. Dyneema or Spectra
D07B 2205/2017	. . Polystyrenes
D07B 2205/2021	. . Polyvinyl halides
D07B 2205/2025	. . Polyvinyl acetates
D07B 2205/2028	. . Polyvinyl alcohols
D07B 2205/2032	. . Polyacrylics
D07B 2205/2035	. . Polyacetals
D07B 2205/2039	. . Polyesters
D07B 2205/2042	. . . High performance polyesters, e.g. Vectran
D07B 2205/2046	. . Polyamides, e.g. nylons
D07B 2205/205	. . . Aramides
D07B 2205/2053	. . . . Polybenzimidazol [PBI]



D07B 2205/2057	. . Phenol resins
D07B 2205/206	. . Epoxy resins
D07B 2205/2064	. . Polyurethane resins
D07B 2205/2067	. . Viscose or regenerated cellulose, e.g. Rayon
D07B 2205/2071	. . Fluor resins
D07B 2205/2075	. . Rubbers, i.e. elastomers
D07B 2205/2078	. . . being of natural origin
D07B 2205/2082	. . . being of synthetic nature, e.g. chloroprene
D07B 2205/2085	. . having particular high polymer characteristics
D07B 2205/2089	. . . showing heat contraction
D07B 2205/2092	. . . related to water solubility
D07B 2205/2096	. . Poly-p-phenylenebenzo-bisoxazole [PBO]
D07B 2205/30	. Inorganic materials
D07B 2205/3003	. . Glass
D07B 2205/3007	. . Carbon
D07B 2205/301	. . Ceramics
D07B 2205/3014	. . Asbestos
D07B 2205/3017	. . Silicon carbides
D07B 2205/3021	. . Metals
D07B 2205/3025	. . . Steel
D07B 2205/3028	. . . . Stainless steel
D07B 2205/3032	. . . . Austenite
D07B 2205/3035	. . . . Pearlite
D07B 2205/3039	. . . . Martensite
D07B 2205/3042	. . . . Ferrite
D07B 2205/3046	. . . . characterised by the carbon content
D07B 2205/305	. . . . . having a low carbon content, e.g. below 0,5 percent respectively NT wires
D07B 2205/3053	. . . . . having a medium carbon content, e.g. greater than 0,5 percent and lower than 0.8 percent respectively HT wires
D07B 2205/3057	. . . . . having a high carbon content, e.g. greater than 0,8 percent respectively SHT or UHT wires
D07B 2205/306	. . . Aluminium (Al)
D07B 2205/3064	. . . Chromium (Cr)
D07B 2205/3067	. . . Copper (Cu)
D07B 2205/3071	. . . Zinc (Zn)
D07B 2205/3075	. . . Tin (Sn)
D07B 2205/3078	. . . Lead (Pb)
D07B 2205/3082	. . . Tungsten (W)
D07B 2205/3085	. . . Alloys, i.e. non ferrous
D07B 2205/3089	. . . . Brass, i.e. copper (Cu) and zinc (Zn) alloys

D07B 2205/3092	. . . . Zinc (Zn) and tin (Sn) alloys
D07B 2205/3096	. . . Amorphous metals
D07B 2205/40	. Superconductive materials
D07B 2205/405	. . Ceramic superconductor
D07B 2205/50	. Lubricants
D07B 2205/502	. . Oils
D07B 2205/505	. . Greases
D07B 2205/507	. . Solid lubricants
<b>D07B 2207/00</b>	<b>Rope or cable making machines</b>
D07B 2207/20	. Type of machine
D07B 2207/201	. . Manually operated systems
D07B 2207/202	. . Double twist unwinding
D07B 2207/203	. . . comprising flyer
D07B 2207/204	. . Double twist winding
D07B 2207/205	. . . comprising flyer
D07B 2207/206	. . . with means for providing less than double twist, e. g. counter rotating means
D07B 2207/207	. . Sequential double twisting devices
D07B 2207/208	. . . characterised by at least partially unwinding the twist of the upstream double twisting step
D07B 2207/209	. . Tubular strander
D07B 2207/40	. Machine components
D07B 2207/4004	. . Unwinding devices
D07B 2207/4009	. . . over the head
D07B 2207/4013	. . . comprising flyer
D07B 2207/4018	. . Rope twisting devices
D07B 2207/4022	. . . characterised by twisting die specifics
D07B 2207/4027	. . . . including a coating die
D07B 2207/4031	. . Winding device
D07B 2207/4036	. . . comprising traversing means
D07B 2207/404	. . Heat treating devices; Corresponding methods
D07B 2207/4045	. . . to change the crystal structure of the load bearing material
D07B 2207/405	. . . to heat towards the glass transition temperature of the load bearing material
D07B 2207/4054	. . . to soften the load bearing material
D07B 2207/4059	. . . to soften the filler material
D07B 2207/4063	. . . for stress relief
D07B 2207/4068	. . . for curing
D07B 2207/4072	. . Means for mechanically reducing serpentineing or mechanically killing of rope
D07B 2207/4077	. . Safety devices

- D07B 2207/4081 . . . comprising means for stopping or shutting down the machine
- D07B 2207/4086 . . . providing warnings
- D07B 2207/409 . . Drives
- D07B 2207/4095 . . . Control means therefor

**D07B 2301/00****Controls**

- D07B 2301/10 . Open loop
- D07B 2301/15 . Closed loop
- D07B 2301/155 . . being of the extended closed loop control system type, e.g. using models or more than one signal in the feedback loop
- D07B 2301/20 . Controller types
- D07B 2301/201 . . proportional
- D07B 2301/202 . . integrative
- D07B 2301/204 . . differential
- D07B 2301/205 . . Programmable controllers; Calculating or controlling methods
- D07B 2301/207 . . . Fuzzy logic
- D07B 2301/208 . . . using timing functions
- D07B 2301/25 . System input signals, e.g. set points
- D07B 2301/251 . . Twist
- D07B 2301/252 . . Temperature
- D07B 2301/253 . . . Temperature profile or sequence
- D07B 2301/254 . . Amount of material
- D07B 2301/255 . . Power consumption of drive
- D07B 2301/256 . . Pressure
- D07B 2301/257 . . Force
- D07B 2301/258 . . Tensile stress
- D07B 2301/259 . . Strain or elongation
- D07B 2301/30 . Signals indicating failure or excessive conditions, e.g. overheating
- D07B 2301/302 . . Temperature
- D07B 2301/305 . . Wear or friction
- D07B 2301/307 . . Breakage of wire or strand or rope
- D07B 2301/35 . System output signals
- D07B 2301/3508 . . Twist
- D07B 2301/3516 . . Temperature
- D07B 2301/3525 . . . Temperature profile or sequence
- D07B 2301/3533 . . Amount of material
- D07B 2301/3541 . . Power consumption of drive
- D07B 2301/355 . . Pressure
- D07B 2301/3558 . . Force
- D07B 2301/3566 . . Tensile stress
- D07B 2301/3575 . . Strain or elongation

- D07B 2301/3583 . . Rotational speed
- D07B 2301/3591 . . Linear speed
- D07B 2301/40 . Feedback signal in closed loop controls
- D07B 2301/4008 . . Twist
- D07B 2301/4016 . . Temperature
- D07B 2301/4025 . . . Temperature profile or sequence
- D07B 2301/4033 . . Amount of material
- D07B 2301/4041 . . Power consumption of drive
- D07B 2301/405 . . Pressure
- D07B 2301/4058 . . Force
- D07B 2301/4066 . . Tensile stress
- D07B 2301/4075 . . Strain or elongation
- D07B 2301/4083 . . Rotational speed
- D07B 2301/4091 . . Linear speed
- D07B 2301/45 . for diagnosing ([signals indicating failure or excessive conditions D07B 2301/30](#))
- D07B 2301/50 . User Interface or value setting
- D07B 2301/55 . Sensors
- D07B 2301/5504 . . characterised by their arrangement
- D07B 2301/5509 . . . being movable
- D07B 2301/5513 . . . being of the reflective type
- D07B 2301/5518 . . . . Transducers therefor
- D07B 2301/5522 . . . being of the barrier type
- D07B 2301/5527 . . . comprising an array or multiple sensors
- D07B 2301/5531 . . using electric means or elements
- D07B 2301/5536 . . . for measuring electrical current
- D07B 2301/554 . . . for measuring variable resistance
- D07B 2301/5545 . . . and piezoelectric phenomenons
- D07B 2301/555 . . . for measuring magnetic properties
- D07B 2301/5554 . . . for measuring capacitance
- D07B 2301/5559 . . . for measuring inductance
- D07B 2301/5563 . . . for measuring temperature, i. e. thermocouples
- D07B 2301/5568 . . . acoustic or ultrasonic
- D07B 2301/5572 . . . optical
- D07B 2301/5577 . . . using light guides
- D07B 2301/5581 . . . using cameras
- D07B 2301/5586 . . . using lasers
- D07B 2301/559 . . . for pressure
- D07B 2301/5595 . . . for force

**D07B 2401/00 Aspects related to the problem to be solved or advantage**

- D07B 2401/20 . related to ropes or cables
- D07B 2401/2005 . . Elongation or elasticity
- D07B 2401/201 . . . regarding structural elongation
- D07B 2401/2015 . . Killing or avoiding twist
- D07B 2401/202 . . Environmental resistance
- D07B 2401/2025 . . . avoiding corrosion
- D07B 2401/203 . . . Low temperature resistance
- D07B 2401/2035 . . . High temperature resistance
- D07B 2401/204 . . . Moisture handling
- D07B 2401/2045 . . Avoiding longitudinal load for covering
- D07B 2401/205 . . Avoiding relative movement of components
- D07B 2401/2055 . . Improving load capacity
- D07B 2401/206 . . Improving radial flexibility
- D07B 2401/2065 . . Reducing wear
- D07B 2401/207 . . . internally
- D07B 2401/2075 . . . externally
- D07B 2401/208 . . Enabling filler penetration
- D07B 2401/2085 . . Adjusting or controlling final twist
- D07B 2401/209 . . . comprising compensation of rope twist in strand twist
- D07B 2401/2095 . . Improving filler wetting respectively or filler adhesion
- D07B 2401/40 . related to rope making machines
- D07B 2401/401 . . Reducing wear
- D07B 2401/403 . . Reducing vibrations
- D07B 2401/405 . . Addressing space constraints
- D07B 2401/406 . . Increasing speed
- D07B 2401/408 . . Increasing rope length, e.g. on drum

**D07B 2501/00****Application field**

- D07B 2501/20 . related to ropes or cables
- D07B 2501/2007 . . Elevators
- D07B 2501/2015 . . Construction industries
- D07B 2501/2023 . . . Concrete enforcements
- D07B 2501/203 . . . Bridges
- D07B 2501/2038 . . Agriculture, forestry and fishery
- D07B 2501/2046 . . Tire cords
- D07B 2501/2053 . . . for wheel rim attachment
- D07B 2501/2061 . . Ship moorings
- D07B 2501/2069 . . Climbing or tents
- D07B 2501/2076 . . Power transmissions
- D07B 2501/2084 . . Mechanical controls, e.g. door lashes

- D07B 2501/2092 . . Evacuation lines or lifelines
- D07B 2501/40 . related to rope or cable making machines
- D07B 2501/403 . . for making belts
- D07B 2501/406 . . for making electrically conductive cables

**D07B 2801/00** **Linked indexing codes associated with indexing codes or classes of [D07B](#) (not used)**

**NOTE**

The following indexing codes are applied as linked indexing codes associated to other indexing codes or classes of [D07B](#), with the following restrictions:

- [D07B 2801/10](#), [D07B 2801/14](#) -[D07B 2801/22](#) are only to be used as linked indexing codes with [D07B 2205/00](#) and lower hierarchy
- [D07B 2801/12](#) and [D07B 2801/24](#) are only to be used as linked indexing codes with [D07B 2205/00](#) and lower hierarchy or [D07B 2201/2047](#) and lower hierarchy
- [D07B 2801/60](#) and [D07B 2801/62](#) are only to be used as linked indexing codes with [D07B 2207/404](#) and lower hierarchy
- [D07B 2801/90](#) is only used as linked indexing code with any class or indexing code of [D07B](#) and defines that the classified feature belongs to the general knowledge.

- D07B 2801/10 . Smallest filamentary entity of a rope or strand, i.e. wire, filament, fiber or yarn
- D07B 2801/12 . Strand
- D07B 2801/14 . Core
- D07B 2801/16 . Filler
- D07B 2801/18 . Coating
- D07B 2801/20 . Spacer
- D07B 2801/22 . Jacket or covering
- D07B 2801/24 . Rope
- D07B 2801/60 . Method
- D07B 2801/62 . Device
- D07B 2801/90 . General knowledge