

**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}
- 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
- D07B 7/162 . . {Vices or clamps for bending or holding the rope or cable during splicing}

- D07B 7/165 .. { Apparatus for making slings}
  - D07B 7/167 .. { Apparatus for joining rope components}
  - D07B 7/18 .. for spreading or untwisting ropes or cables into constituent parts for treatment or splicing purposes
- 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 2201/1016 ... 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
  - D07B 2201/1036 ... nine strands or more
  - 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
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- 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
D07B 2201/204	....	nine or more wires or filaments
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 2201/2091	...	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	...	Aramidides
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

**D07B 2207/00 Rope or cable making machines**

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
  - ... internally
  - ... externally
- D07B 2401/208 .. Enabling filler penetration
- D07B 2401/2085 .. Adjusting or controlling final twist
  - ... comprising compensation of rope twist in strand 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
  - ... 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