

**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](#) )

**Guidance heading:****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

**Guidance heading: 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**

### **Guidance heading:**

## **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
- 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

### Guidance heading:

#### **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	...	Aramid
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 serpentining 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