

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

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

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

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|----------------|-------|--|
| 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 |

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|----------------|-------|--|
| 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 |

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|----------------|------|---|
| 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 | ... | Aramid |

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|----------------|-------|--|
| 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

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|----------------|-----|---|
| 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 |

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|----------------|------|--|
| 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 phenomena |
| D07B 2301/555 | ... | for measuring magnetic properties |
| D07B 2301/5554 | ... | for measuring capacitance |

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|----------------|-----|--|
| 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