

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](#))

- 1/00 Constructional features of ropes or cables**
- 1/005 . {Composite ropes, i.e. ropes built-up from fibrous or filamentary material and metal wires}
 - 1/02 . Ropes built-up from fibrous or filamentary material, e.g. of vegetable origin, of animal origin, regenerated cellulose, plastics
 - 1/025 . . {comprising high modulus, or high tenacity, polymer filaments or fibres, e.g. liquid-crystal polymers}
 - 1/04 . . with a core of fibres or filaments arranged parallel to the centre line
 - 1/06 . Ropes or cables built-up from metal wires, e.g. of section wires around a hemp core
 - 1/0606 . . {Reinforcing cords for rubber or plastic articles}
 - 1/0613 . . . {the reinforcing cords being characterised by the rope configuration}
 - 1/062 . . . {the reinforcing cords being characterised by the strand configuration}
 - 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}
 - 1/0633 {having a multiple-layer configuration}
 - 1/064 {the reinforcing cords being twisted and with at least one wire exchanging place with another wire}
 - 1/0646 . . . {comprising longitudinally preformed wires}
 - 1/0653 {in the core}
 - 1/066 . . . {the wires being made from special alloy or special steel composition}
 - 1/0666 . . . {the wires being characterised by an anti-corrosive or adhesion promoting coating}
 - 1/0673 . . {having a rope configuration}
 - 1/068 . . . {characterised by the strand design}
 - 1/0686 . . . {characterised by the core design}
 - 1/0693 . . {having a strand configuration}
 - 1/08 . . the layers of which are formed of profiled interlocking wires, i.e. the strands forming concentric layers {(D07B 1/0606 takes precedence)}
 - 1/10 . . . with a core of wires arranged parallel to the centre line
 - 1/12 . Ropes or cables with a hollow core
 - 1/14 . Ropes or cables with incorporated auxiliary elements, e.g. for marking, extending throughout the length of the rope or cable
 - 1/141 . . {comprising liquid, pasty or powder agents, e.g. lubricants or anti-corrosive oils or greases}
 - 1/142 . . . {for ropes or rope components built-up from fibrous or filamentary material}

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

Manufacture of ropes or cables

- 3/00 General-purpose machines or apparatus for producing twisted ropes or cables from component strands of the same or different material**
- 3/005 . {with alternating twist directions}
 - 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}
 - 3/04 . . and are arranged in tandem along the axis of the machine, {e.g. tubular or high-speed type stranding machine}
 - 3/045 . . . {with the reels axially aligned, their common axis coinciding with the axis of the machine}
 - 3/06 . . and are spaced radially from the axis of the machine, {i.e. basket or planetary-type stranding machine}
 - 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
 - 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}

- 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}
- 3/103 . . . {characterised by the bow construction}
- 3/106 . . . {characterised by comprising two bows, both guiding the same bundle to impart a twist}
- 3/12 . operating with rotating loops of filaments
- 3/14 . hand-operated
- 5/00 Making ropes or cables from special materials or of particular form**
- 5/002 . {Making parallel wire strands}
- 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.
- 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.
- 5/007 . {comprising postformed and thereby radially plastically deformed elements}
- 5/02 . from straw or like vegetable material
- 5/04 . Rope bands
- 5/06 . from natural or artificial staple fibres
- 5/08 . . agglutinated by adhesives
- 5/10 . from strands of non-circular cross-section
- 5/12 . of low twist or low tension by processes comprising setting or straightening treatments
- 7/00 Details of, or auxiliary devices incorporated in, rope- or cable-making machines; Auxiliary apparatus associated with such machines**
- 7/02 . Machine details; Auxiliary devices
- 7/022 . . {Measuring or adjusting the lay or torque in the rope}
- 7/025 . . {Preforming the wires or strands prior to closing}
- 7/027 . . {Postforming of ropes or strands}
- 7/04 . . Devices for imparting reverse rotation to bobbin- or reel cages
- 7/06 . . Bearing supports or brakes for supply bobbins or reels
- 7/08 . . Alarms or stop motions responsive to exhaustion or breakage of filamentary material fed from supply reels or bobbins
- 7/10 . . Devices for taking-up or winding the finished rope or cable
- 7/12 . . for softening, lubricating or impregnating ropes, cables, or component strands thereof

- 7/14 . . for coating or wrapping ropes, cables, or component strands thereof (applying liquids or other fluent materials to surfaces in general [B05](#); wrapping elongated cores in general [B65H 81/06](#))
- 7/145 . . . {Coating or filling-up interstices}
- 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.

- 7/162 . . {Vices or clamps for bending or holding the rope or cable during splicing}
- 7/165 . . {for making slings}
- 7/167 . . {for joining rope components}
- 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.

- 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.

- 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.

- 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.

- 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.

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

2201/00 Ropes or cables

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|--|--|
| <p>2201/10 . Rope or cable structures</p> <p>2201/1004 . . General structure or appearance</p> <p>2201/1008 . . . Several parallel ropes</p> <p>2201/1012 . . characterised by their internal structure</p> <p>2201/1014 . . . characterised by being laid or braided from several sub-ropes or sub-cables, e.g. hawsers</p> <p>2201/1016 . . . characterised by the use of different strands</p> <p>2201/102 . . . including a core</p> <p>2201/1024 . . Structures that change the cross-sectional shape</p> <p>2201/1028 . . characterised by the number of strands</p> <p>2201/1032 . . . three to eight strands respectively forming a single layer</p> <p>2201/1036 . . . nine or more strands respectively forming multiple layers</p> <p>2201/104 . . twisted</p> <p>2201/1044 . . . characterised by a value or range of the pitch parameter given</p> <p>2201/1048 . . . using regular lay, i.e. the wires or filaments being parallel to rope axis</p> <p>2201/1052 . . . using lang lay, i.e. the wires or filaments being inclined relative to the rope axis</p> <p>2201/1056 . . . using alternate lay, i.e. the wires or filaments in the strands being oppositely inclined relative to the rope axis</p> <p>2201/106 . . . Pitch changing over length</p> <p>2201/1064 . . . characterised by lay direction of the strand compared to the lay direction of the wires in the strand</p> <p>2201/1068 having the same lay direction</p> <p>2201/1072 . . . Compact winding, i.e. S/S or Z/Z</p> <p>2201/1076 . . . Open winding</p> <p>2201/108 Cylinder winding, i.e. S/Z or Z/S</p> <p>2201/1084 Different twist pitch</p> <p>2201/1088 . . false twisted</p> <p>2201/1092 . . Parallel strands</p> <p>2201/1096 . . braided</p> <p>2201/20 . Rope or cable components</p> <p>2201/2001 . . Wires or filaments</p> | <p>2201/2002 . . . characterised by their cross-sectional shape</p> <p>2201/2003 flat</p> <p>2201/2004 triangular</p> <p>2201/2005 oval</p> <p>2201/2006 . . . characterised by a value or range of the dimension given</p> <p>2201/2007 . . . characterised by their longitudinal shape</p> <p>2201/2008 wavy or undulated</p> <p>2201/2009 . . . characterised by the materials used</p> <p>2201/201 . . . characterised by a coating</p> <p>2201/2011 comprising metals</p> <p>2201/2012 comprising polymers</p> <p>2201/2013 comprising multiple layers</p> <p>2201/2014 . . . Compound wires or compound filaments</p> <p>2201/2015 . . Strands</p> <p>2201/2016 . . . characterised by their cross-sectional shape</p> <p>2201/2017 triangular</p> <p>2201/2018 oval</p> <p>2201/2019 . . . pressed to shape</p> <p>2201/202 . . . characterised by a value or range of the dimension given</p> <p>2201/2021 . . . characterised by their longitudinal shape</p> <p>2201/2022 . . . coreless</p> <p>2201/2023 . . . with core</p> <p>2201/2024 . . . twisted</p> <p>2201/2025 characterised by a value or range of the pitch parameter given</p> <p>2201/2026 Pitch changing over length</p> <p>2201/2027 Compact winding</p> <p>2201/2028 having the same lay direction and lay pitch</p> <p>2201/2029 Open winding</p> <p>2201/203 Cylinder winding, i.e. S/Z or Z/S</p> <p>2201/2031 Different twist pitch</p> <p>2201/2032 compared with the core</p> <p>2201/2033 . . . Parallel wires</p> <p>2201/2034 . . . comprising crossing wires or filaments in the same layer</p> <p>2201/2035 . . . false twisted</p> <p>2201/2036 . . . characterised by the use of different wires or filaments</p> <p>2201/2037 regarding the dimension of the wires or filaments</p> <p>2201/2038 . . . characterised by the number of wires or filaments</p> <p>2201/2039 three to eight wires or filaments respectively forming a single layer</p> <p>2201/204 nine or more wires or filaments respectively forming multiple layers</p> <p>2201/2041 . . . characterised by the materials used</p> <p>2201/2042 . . . characterised by a coating</p> <p>2201/2043 comprising metals</p> <p>2201/2044 comprising polymers</p> <p>2201/2045 comprising multiple layers</p> <p>2201/2046 . . . comprising fillers</p> <p>2201/2047 . . Cores</p> <p>2201/2048 . . . characterised by their cross-sectional shape</p> <p>2201/2049 having protrusions extending radially functioning as spacer between strands or wires</p> <p>2201/2051 . . . characterised by a value or range of the dimension given</p> <p>2201/2052 . . . characterised by their structure</p> |
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|----------------|---|-----------|--|
| 2201/2053 | being homogeneous | 2205/2014 | . . . High performance polyolefins, e.g. Dyneema or Spectra |
| 2201/2054 | comprising foam material | 2205/2017 | . . Polystyrenes |
| 2201/2055 | comprising filaments or fibers | 2205/2021 | . . Polyvinyl halides |
| 2201/2056 | arranged parallel to the axis | 2205/2025 | . . Polyvinyl acetates |
| 2201/2057 | resulting in a twisted structure | 2205/2028 | . . Polyvinyl alcohols |
| 2201/2058 | comprising fillers | 2205/2032 | . . Polyacrylics |
| 2201/2059 | comprising wires | 2205/2035 | . . Polyacetals |
| 2201/206 | arranged parallel to the axis | 2205/2039 | . . Polyesters |
| 2201/2061 | resulting in a twisted structure | 2205/2042 | . . High performance polyesters, e.g. Vectran |
| 2201/2062 | comprising fillers | 2205/2046 | . . Polyamides, e.g. nylons |
| 2201/2063 | being hollow | 2205/205 | Aramides |
| 2201/2064 | being discontinuous in the longitudinal direction | 2205/2053 | Polybenzimidazol [PBI] |
| 2201/2065 | comprising a coating | 2205/2057 | . . Phenol resins |
| 2201/2066 | . . . characterised by the materials used | 2205/206 | . . Epoxy resins |
| 2201/2067 | . . . characterised by the elongation or tension behaviour | 2205/2064 | . . Polyurethane resins |
| 2201/2068 | having a load bearing function | 2205/2067 | . . Viscose or regenerated cellulose, e.g. Rayon |
| 2201/2069 | being elastic | 2205/2071 | . . Fluor resins |
| 2201/207 | being viscous | 2205/2075 | . . Rubbers, i.e. elastomers |
| 2201/2071 | . . Spacers | 2205/2078 | . . . being of natural origin |
| 2201/2072 | . . . characterised by the materials used | 2205/2082 | . . . being of synthetic nature, e.g. chloroprene |
| 2201/2073 | . . . in circumferencial direction | 2205/2085 | . . having particular high polymer characteristics |
| 2201/2074 | . . . in radial direction | 2205/2089 | . . . showing heat contraction |
| 2201/2075 | . . Fillers | 2205/2092 | . . . related to water solubility |
| 2201/2076 | . . . having a lubricant function | 2205/2096 | . . Poly-p-phenylenebenzo-bisoxazole [PBO] |
| 2201/2077 | . . . having an anti-corrosive function | 2205/30 | . Inorganic materials |
| 2201/2078 | . . . having a load bearing function | 2205/3003 | . . Glass |
| 2201/2079 | . . . characterised by the kind or amount of filling | 2205/3007 | . . Carbon |
| 2201/208 | having an open structure | 2205/301 | . . Ceramics |
| 2201/2081 | having maximum filling | 2205/3014 | . . Asbestos |
| 2201/2082 | . . . characterised by the materials used | 2205/3017 | . . Silicon carbides |
| 2201/2083 | . . Jackets or coverings | 2205/3021 | . . Metals |
| 2201/2084 | . . . characterised by their shape | 2205/3025 | . . . Steel |
| 2201/2085 | concerning the internal shape | 2205/3028 | Stainless steel |
| 2201/2086 | concerning the external shape | 2205/3032 | Austenite |
| 2201/2087 | . . . being of the coated type | 2205/3035 | Pearlite |
| 2201/2088 | . . . having multiple layers | 2205/3039 | Martensite |
| 2201/2089 | . . . comprising wrapped structures | 2205/3042 | Ferrite |
| 2201/209 | . . . comprising braided structures | 2205/3046 | characterised by the carbon content |
| 2201/20903 | . . . comprising woven structures | 2205/305 | having a low carbon content, e.g. below 0,5 percent respectively NT wires |
| 2201/20907 | . . . comprising knitted structures | 2205/3053 | having a medium carbon content, e.g. greater than 0,5 percent and lower than 0.8 percent respectively HT wires |
| 2201/2091 | . . . being movable relative to the internal structure | 2205/3057 | having a high carbon content, e.g. greater than 0,8 percent respectively SHT or UHT wires |
| 2201/2092 | . . . characterised by the materials used | 2205/306 | . . . Aluminium (Al) |
| 2201/2093 | being translucent | 2205/3064 | . . . Chromium (Cr) |
| 2201/2094 | being luminescent or reflective | 2205/3067 | . . . Copper (Cu) |
| 2201/2095 | . . Auxiliary components, e.g. electric conductors or light guides | 2205/3071 | . . . Zinc (Zn) |
| 2201/2096 | . . . Light guides | 2205/3075 | . . . Tin (Sn) |
| 2201/2097 | . . . Binding wires | 2205/3078 | . . . Lead (Pb) |
| 2201/2098 | characterized by special properties or the arrangements of the binding wire | 2205/3082 | . . . Tungsten (W) |
| 2205/00 | Rope or cable materials | 2205/3085 | . . . Alloys, i.e. non ferrous |
| 2205/10 | . Natural organic materials | 2205/3089 | Brass, i.e. copper (Cu) and zinc (Zn) alloys |
| 2205/103 | . . Animal and plant materials | 2205/3092 | Zinc (Zn) and tin (Sn) alloys |
| 2205/106 | . . . Manila, hemp or sisal | 2205/3096 | . . . Amorphous metals |
| 2205/20 | . Organic high polymers | 2205/40 | . Superconductive materials |
| 2205/2003 | . . Thermoplastics | 2205/405 | . . Ceramic superconductor |
| 2205/2007 | . . Duroplastics | 2205/50 | . Lubricants |
| 2205/201 | . . Polyolefins | 2205/502 | . . Oils |

- 2205/505 . . Greases
- 2205/507 . . Solid lubricants

2207/00 Rope or cable making machines

- 2207/20 . Type of machine
- 2207/201 . . Manually operated systems
- 2207/202 . . Double twist unwinding
- 2207/203 . . . comprising flyer
- 2207/204 . . Double twist winding
- 2207/205 . . . comprising flyer
- 2207/206 . . . with means for providing less than double twist, e.g. counter rotating means
- 2207/207 . . Sequential double twisting devices
- 2207/208 . . . characterised by at least partially unwinding the twist of the upstream double twisting step
- 2207/209 . . Tubular strander
- 2207/40 . Machine components
- 2207/4004 . . Unwinding devices
- 2207/4009 . . . over the head
- 2207/4013 . . . comprising flyer
- 2207/4018 . . Rope twisting devices
- 2207/4022 . . . characterised by twisting die specifics
- 2207/4027 including a coating die
- 2207/4031 . . Winding device
- 2207/4036 . . . comprising traversing means
- 2207/404 . . Heat treating devices; Corresponding methods
- 2207/4045 . . . to change the crystal structure of the load bearing material
- 2207/405 . . . to heat towards the glass transition temperature of the load bearing material
- 2207/4054 . . . to soften the load bearing material
- 2207/4059 . . . to soften the filler material
- 2207/4063 . . . for stress relief
- 2207/4068 . . . for curing
- 2207/4072 . . Means for mechanically reducing serpentineing or mechanically killing of rope
- 2207/4077 . . Safety devices
- 2207/4081 . . . comprising means for stopping or shutting down the machine
- 2207/4086 . . . providing warnings
- 2207/409 . . Drives
- 2207/4095 . . . Control means therefor

2301/00 Controls

- 2301/10 . Open loop
- 2301/15 . Closed loop
- 2301/155 . . being of the extended closed loop control system type, e.g. using models or more than one signal in the feedback loop
- 2301/20 . Controller types
- 2301/201 . . proportional
- 2301/202 . . integrative
- 2301/204 . . differential
- 2301/205 . . Programmable controllers; Calculating or controlling methods
- 2301/207 . . . Fuzzy logic
- 2301/208 . . . using timing functions
- 2301/25 . System input signals, e.g. set points
- 2301/251 . . Twist
- 2301/252 . . Temperature
- 2301/253 . . . Temperature profile or sequence
- 2301/254 . . Amount of material
- 2301/255 . . Power consumption of drive

- 2301/256 . . Pressure
- 2301/257 . . Force
- 2301/258 . . Tensile stress
- 2301/259 . . Strain or elongation
- 2301/30 . Signals indicating failure or excessive conditions, e.g. overheating
- 2301/302 . . Temperature
- 2301/305 . . Wear or friction
- 2301/307 . . Breakage of wire or strand or rope
- 2301/35 . System output signals
- 2301/3508 . . Twist
- 2301/3516 . . Temperature
- 2301/3525 . . . Temperature profile or sequence
- 2301/3533 . . Amount of material
- 2301/3541 . . Power consumption of drive
- 2301/355 . . Pressure
- 2301/3558 . . Force
- 2301/3566 . . Tensile stress
- 2301/3575 . . Strain or elongation
- 2301/3583 . . Rotational speed
- 2301/3591 . . Linear speed
- 2301/40 . Feedback signal in closed loop controls
- 2301/4008 . . Twist
- 2301/4016 . . Temperature
- 2301/4025 . . . Temperature profile or sequence
- 2301/4033 . . Amount of material
- 2301/4041 . . Power consumption of drive
- 2301/405 . . Pressure
- 2301/4058 . . Force
- 2301/4066 . . Tensile stress
- 2301/4075 . . Strain or elongation
- 2301/4083 . . Rotational speed
- 2301/4091 . . Linear speed
- 2301/45 . for diagnosing ([signals indicating failure or excessive conditions D07B 2301/30](#))
- 2301/50 . User Interface or value setting
- 2301/55 . Sensors
- 2301/5504 . . characterised by their arrangement
- 2301/5509 . . . being movable
- 2301/5513 . . . being of the reflective type
- 2301/5518 Transducers therefor
- 2301/5522 . . . being of the barrier type
- 2301/5527 . . . comprising an array or multiple sensors
- 2301/5531 . . using electric means or elements
- 2301/5536 . . . for measuring electrical current
- 2301/554 . . . for measuring variable resistance
- 2301/5545 . . . and piezoelectric phenomena
- 2301/555 . . . for measuring magnetic properties
- 2301/5554 . . . for measuring capacitance
- 2301/5559 . . . for measuring inductance
- 2301/5563 . . . for measuring temperature, i.e. thermocouples
- 2301/5568 . . . acoustic or ultrasonic
- 2301/5572 . . . optical
- 2301/5577 . . . using light guides
- 2301/5581 . . . using cameras
- 2301/5586 . . . using lasers
- 2301/559 . . . for pressure
- 2301/5595 . . . for force

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

- 2401/20 . related to ropes or cables

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

2501/00 Application field

- 2501/20 . . related to ropes or cables
- 2501/2007 . . Elevators
- 2501/2015 . . Construction industries
- 2501/2023 . . . Concrete enforcements
- 2501/203 . . . Bridges
- 2501/2038 . . Agriculture, forestry and fishery
- 2501/2046 . . Tire cords
- 2501/2053 . . . for wheel rim attachment
- 2501/2061 . . Ship moorings
- 2501/2069 . . Climbing or tents
- 2501/2076 . . Power transmissions
- 2501/2084 . . Mechanical controls, e.g. door lashes
- 2501/2092 . . Evacuation lines or lifelines
- 2501/40 . . related to rope or cable making machines
- 2501/403 . . for making belts
- 2501/406 . . for making electrically conductive cables

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.

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