

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

ROPES OR CABLES IN GENERAL (joining ropes or cables to one another or to other objects [B65H 69/00](#), [F16G 11/00](#); { mountaineering ropes [A63B 29/02](#); mechanical finishing or dressing of ropes [D02J](#); { braiding [D04C](#); decorative ropes or cords [D04D](#); suspension cables for bridges [E01D 19/16](#); specially adapted for driving, or for being driven by, pulleys or other gearing elements [F16G 9/00](#); electric cables or joints insofar as electrical aspects are essential [H01B](#), [H01R](#))

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

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

D07B 1/02

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

D07B 1/025

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

D07B 1/04

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

D07B 1/06

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

D07B 1/0606

- .. {Reinforcing cords for rubber or plastic articles}

D07B 1/0613

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

D07B 1/062

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

D07B 1/0626

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

D07B 1/0633

- {having a multiple-layer configuration}

D07B 1/064

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

D07B 1/0646

- ... {comprising longitudinally preformed wires}

D07B 1/0653

- {in the core}

D07B 1/066

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

D07B 1/0666

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

D07B 1/0673

- .. {having a rope configuration}

D07B 1/068

- ... {characterised by the strand design}

D07B 1/0686

- ... {characterised by the core design}

D07B 1/0693

- .. {having a strand configuration}

D07B 1/08

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

D07B 1/10

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

D07B 1/12

- . Ropes or cables with a hollow core

D07B 1/14

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

D07B 1/141

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

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

Manufacture of ropes or cables

- D07B 3/00** **General-purpose machines or apparatus for producing twisted ropes or cables from component strands of the same or different material**
- D07B 3/005 . . {with alternating twist directions}
- D07B 3/02 . . in which the supply reels rotate about the axis of the rope or cable { or in which a guide member rotates about the axis of the rope or cable to guide the component strands away from the supply reels in fixed position}
- D07B 3/04 . . and are arranged in tandem along the axis of the machine, {e.g. tubular or high-speed type stranding machine}
- D07B 3/045 . . . {with the reels axially aligned, their common axis coinciding with the axis of the machine}
- D07B 3/06 . . and are spaced radially from the axis of the machine, {i.e. basket or planetary-type stranding machine}
- D07B 3/08 . . in which the take-up reel rotates about the axis of the rope or cable { or in which a guide member rotates about the axis of the rope or cable to guide the rope or cable on the take-up reel in fixed position} and the supply reels are fixed in position
- D07B 3/085 . . {in which a guide member rotates about the axis of the rope or cable to guide the rope or cable on the take-up reel in fixed position}
- D07B 3/10 . . with provision for imparting more than one complete twist to the ropes or cables for each revolution of the take-up reel { or of the guide member}
- D07B 3/103 . . . {characterised by the bow construction}
- D07B 3/106 . . . {characterised by comprising two bows, both guiding the same bundle to impart a twist}
- D07B 3/12 . . operating with rotating loops of filaments
- D07B 3/14 . . hand-operated
- D07B 5/00** **Making ropes or cables from special materials or of particular form**

- D07B 5/002 . {Making parallel wire strands}
- D07B 5/005 . {characterised by their outer shape or surface properties}

WARNING

Group [D07B 5/005](#) is impacted by reclassification into group [D07B 5/006](#).
Groups [D07B 5/005](#) and [D07B 5/006](#) should be considered in order to perform a complete search.

- D07B 5/006 . . {by the properties of an outer surface polymeric coating}

WARNING

Group [D07B 5/006](#) is incomplete pending reclassification of documents from group [D07B 5/005](#).
Groups [D07B 5/005](#) and [D07B 5/006](#) should be considered in order to perform a complete search.

- D07B 5/007 . {comprising postformed and thereby radially plastically deformed elements}
- D07B 5/02 . from straw or like vegetable material
- D07B 5/04 . Rope bands
- D07B 5/06 . from natural or artificial staple fibres
- D07B 5/08 . . agglutinated by adhesives
- D07B 5/10 . from strands of non-circular cross-section
- D07B 5/12 . of low twist or low tension by processes comprising setting or straightening treatments

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

- D07B 7/02 . Machine details; Auxiliary devices
- D07B 7/022 . . {Measuring or adjusting the lay or torque in the rope}
- D07B 7/025 . . {Preforming the wires or strands prior to closing}
- D07B 7/027 . . {Postforming of ropes or strands}
- D07B 7/04 . . Devices for imparting reverse rotation to bobbin- or reel cages
- D07B 7/06 . . Bearing supports or brakes for supply bobbins or reels
- D07B 7/08 . . Alarms or stop motions responsive to exhaustion or breakage of filamentary material fed from supply reels or bobbins
- D07B 7/10 . . Devices for taking-up or winding the finished rope or cable
- D07B 7/12 . . for softening, lubricating or impregnating ropes, cables, or component strands thereof
- D07B 7/14 . . for coating or wrapping ropes, cables, or component strands thereof ([applying liquids or other fluent materials to surfaces in general B05](#); [wrapping elongated cores in general B65H 81/06](#))
- D07B 7/145 . . . {Coating or filling-up interstices}
- D07B 7/16 . Auxiliary apparatus

WARNING

D07B 7/16
(continued)

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

- D07B 7/162 .. {Vices or clamps for bending or holding the rope or cable during splicing}
- D07B 7/165 .. {for making slings}
- D07B 7/167 .. {for joining rope components}
- D07B 7/169 .. {for interconnecting two cable or rope ends, e.g. by splicing or sewing (fixation or holding of the ends prior to or during splicing [D07B 7/162](#); joining the rope or cable components individually or joining the rope ends by permanent means such as welding, gluing or crimp sleeve [D07B 7/167](#); preparing the splice by opening the ends [D07B 7/18](#))}

WARNING

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

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

- D07B 7/18 .. for spreading or untwisting ropes or cables into constituent parts for treatment or splicing purposes

WARNING

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

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

- D07B 7/182 ... {for spreading ropes or cables by hand-operated tools for splicing purposes, e.g. needles or spikes}

WARNING

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

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

- D07B 7/185 ... {for temporarily untwisting ropes or cables into constituent parts for applying a coating}

WARNING

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

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

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

WARNING

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

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

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

WARNING

Group [D07B 2201/1012](#) is impacted by reclassification into group [D07B 2201/1014](#).

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

- D07B 2201/1014 . . . characterised by being laid or braided from several sub-ropes or sub-cables, e.g. hawsers

WARNING

Group [D07B 2201/1014](#) is incomplete pending reclassification of documents from group [D07B 2201/1012](#).

Groups [D07B 2201/1012](#) and [D07B 2201/1014](#) should be considered in order to perform a complete search.

- D07B 2201/1016 . . . characterised by the use of different strands
- D07B 2201/102 . . . including a core
- D07B 2201/1024 . . Structures that change the cross-sectional shape
- D07B 2201/1028 . . characterised by the number of strands
- D07B 2201/1032 . . . three to eight strands respectively forming a single layer
- D07B 2201/1036 . . . nine or more strands respectively forming multiple layers
- D07B 2201/104 . . twisted
- D07B 2201/1044 . . . characterised by a value or range of the pitch parameter given
- D07B 2201/1048 . . . using regular lay, i.e. the wires or filaments being parallel to rope axis
- D07B 2201/1052 . . . using lang lay, i.e. the wires or filaments being inclined relative to the rope axis
- D07B 2201/1056 . . . using alternate lay, i.e. the wires or filaments in the strands being oppositely inclined relative to the rope axis
- D07B 2201/106 . . . Pitch changing over length

D07B 2201/1064	...	characterised by lay direction of the strand compared to the lay direction of the wires in the strand
D07B 2201/1068	....	having the same lay direction
D07B 2201/1072	...	Compact winding, i.e. S/S or Z/Z
D07B 2201/1076	...	Open winding
D07B 2201/108	....	Cylinder winding, i.e. S/Z or Z/S
D07B 2201/1084	....	Different twist pitch
D07B 2201/1088	..	false twisted
D07B 2201/1092	..	Parallel strands
D07B 2201/1096	..	braided
D07B 2201/20	.	Rope or cable components
D07B 2201/2001	..	Wires or filaments
D07B 2201/2002	...	characterised by their cross-sectional shape
D07B 2201/2003	....	flat
D07B 2201/2004	....	triangular
D07B 2201/2005	....	oval
D07B 2201/2006	...	characterised by a value or range of the dimension given
D07B 2201/2007	...	characterised by their longitudinal shape
D07B 2201/2008	....	wavy or undulated
D07B 2201/2009	...	characterised by the materials used
D07B 2201/201	...	characterised by a coating
D07B 2201/2011	....	comprising metals
D07B 2201/2012	....	comprising polymers
D07B 2201/2013	....	comprising multiple layers
D07B 2201/2014	...	Compound wires or compound filaments
D07B 2201/2015	..	Strands
D07B 2201/2016	...	characterised by their cross-sectional shape
D07B 2201/2017	....	triangular
D07B 2201/2018	....	oval
D07B 2201/2019	...	pressed to shape
D07B 2201/202	...	characterised by a value or range of the dimension given
D07B 2201/2021	...	characterised by their longitudinal shape
D07B 2201/2022	...	coreless
D07B 2201/2023	...	with core
D07B 2201/2024	...	twisted
D07B 2201/2025	....	characterised by a value or range of the pitch parameter given
D07B 2201/2026	....	Pitch changing over length
D07B 2201/2027	....	Compact winding
D07B 2201/2028	.....	having the same lay direction and lay pitch
D07B 2201/2029	....	Open winding

D07B 2201/203	.....	Cylinder winding, i.e. S/Z or Z/S
D07B 2201/2031	.....	Different twist pitch
D07B 2201/2032	.....	compared with the core
D07B 2201/2033	...	Parallel wires
D07B 2201/2034	...	comprising crossing wires or filaments in the same layer
D07B 2201/2035	...	false twisted
D07B 2201/2036	...	characterised by the use of different wires or filaments
D07B 2201/2037	....	regarding the dimension of the wires or filaments
D07B 2201/2038	...	characterised by the number of wires or filaments
D07B 2201/2039	....	three to eight wires or filaments respectively forming a single layer
D07B 2201/204	....	nine or more wires or filaments respectively forming multiple layers
D07B 2201/2041	...	characterised by the materials used
D07B 2201/2042	...	characterised by a coating
D07B 2201/2043	....	comprising metals
D07B 2201/2044	....	comprising polymers
D07B 2201/2045	....	comprising multiple layers
D07B 2201/2046	...	comprising fillers
D07B 2201/2047	..	Cores
D07B 2201/2048	...	characterised by their cross-sectional shape
D07B 2201/2049	....	having protrusions extending radially functioning as spacer between strands or wires
D07B 2201/2051	...	characterised by a value or range of the dimension given
D07B 2201/2052	...	characterised by their structure
D07B 2201/2053	....	being homogeneous
D07B 2201/2054	.....	comprising foam material
D07B 2201/2055	....	comprising filaments or fibers
D07B 2201/2056	.....	arranged parallel to the axis
D07B 2201/2057	.....	resulting in a twisted structure
D07B 2201/2058	.....	comprising fillers
D07B 2201/2059	....	comprising wires
D07B 2201/206	.....	arranged parallel to the axis
D07B 2201/2061	.....	resulting in a twisted structure
D07B 2201/2062	.....	comprising fillers
D07B 2201/2063	....	being hollow
D07B 2201/2064	....	being discontinuous in the longitudinal direction
D07B 2201/2065	....	comprising a coating
D07B 2201/2066	...	characterised by the materials used
D07B 2201/2067	...	characterised by the elongation or tension behaviour
D07B 2201/2068	....	having a load bearing function
D07B 2201/2069	....	being elastic

D07B 2201/207	....	being viscous
D07B 2201/2071	..	Spacers
D07B 2201/2072	...	characterised by the materials used
D07B 2201/2073	...	in circumferencial direction
D07B 2201/2074	...	in radial direction
D07B 2201/2075	..	Fillers
D07B 2201/2076	...	having a lubricant function
D07B 2201/2077	...	having an anti-corrosive function
D07B 2201/2078	...	having a load bearing function
D07B 2201/2079	...	characterised by the kind or amount of filling
D07B 2201/208	....	having an open structure
D07B 2201/2081	....	having maximum filling
D07B 2201/2082	...	characterised by the materials used
D07B 2201/2083	..	Jackets or coverings

WARNING

Group [D07B 2201/2083](#) is impacted by reclassification into groups [D07B 2201/20903](#) and [D07B 2201/20907](#).

Groups [D07B 2201/2083](#), [D07B 2201/20903](#), and [D07B 2201/20907](#) should be considered in order to perform a complete search.

D07B 2201/2084	...	characterised by their shape
D07B 2201/2085	....	concerning the internal shape
D07B 2201/2086	....	concerning the external shape
D07B 2201/2087	...	being of the coated type
D07B 2201/2088	...	having multiple layers
D07B 2201/2089	...	comprising wrapped structures
D07B 2201/209	...	comprising braided structures
D07B 2201/20903	...	comprising woven structures

WARNING

Group [D07B 2201/20903](#) is incomplete pending reclassification of documents from group [D07B 2201/2083](#).

Groups [D07B 2201/2083](#) and [D07B 2201/20903](#) should be considered in order to perform a complete search.

D07B 2201/20907	...	comprising knitted structures
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WARNING

Group [D07B 2201/20907](#) is incomplete pending reclassification of documents from group [D07B 2201/2083](#).

Groups [D07B 2201/2083](#) and [D07B 2201/20907](#) should be considered in order to perform a complete search.

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
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
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 2801/00

(continued)

- [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 |