

CPC COOPERATIVE PATENT CLASSIFICATION

D TEXTILES; PAPER

TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

D07 ROPES; CABLES OTHER THAN ELECTRIC

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](#))

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

| | | | |
|-------------|---|--|---|
| 1/00 | Constructional features of ropes or cables | 1/10 | . . . with a core of wires arranged parallel to the centre line |
| 1/005 | . {Composite ropes, i.e. ropes built-up from fibrous or filamentary material and metal wires} | 1/12 | . Ropes or cables with a hollow core |
| 1/02 | . Ropes built-up from fibrous or filamentary material, e.g. of vegetable origin, of animal origin, regenerated cellulose, plastics | 1/14 | . Ropes or cables with incorporated auxiliary elements, e.g. for marking, extending throughout the length of the rope or cable |
| 1/025 | . . {comprising high modulus, or high tenacity, polymer filaments or fibres, e.g. liquid-crystal polymers} | 1/141 | . . {comprising liquid, pasty or powder agents, e.g. lubricants or anti-corrosive oils or greases} |
| 1/04 | . . with a core of fibres or filaments arranged parallel to the centre line | 1/142 | . . . {for ropes or rope components built-up from fibrous or filamentary material} |
| 1/06 | . Ropes or cables built-up from metal wires, e.g. of section wires around a hemp core | 1/144 | . . . {for cables or cable components built-up from metal wires} |
| 1/0606 | . . {Reinforcing cords for rubber or plastic articles} | 1/145 | . . {comprising elements for indicating or detecting the rope or cable status} |
| 1/0613 | . . . {the reinforcing cords being characterised by the rope configuration} | 1/147 | . . {comprising electric conductors or elements for information transfer (D07B 1/145 takes precedence)} |
| 1/062 | . . . {the reinforcing cords being characterised by the strand configuration} | 1/148 | . . {comprising marks or luminous elements} |
| 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} | 1/16 | . Ropes or cables with an enveloping sheathing or inlays of rubber or plastics (D07B 1/04 , D07B 1/10 take precedence) |
| 1/0633 | {having a multiple-layer configuration} | 1/162 | . . {characterised by a plastic or rubber enveloping sheathing} |
| 1/064 | {the reinforcing cords being twisted and with at least one wire exchanging place with another wire} | 1/165 | . . {characterised by a plastic or rubber inlay} |
| 1/0646 | . . . {comprising longitudinally preformed wires} | 1/167 | . . . {having a predetermined shape} |
| 1/0653 | {in the core} | 1/18 | . Grommets {(slings B66C 1/12)} |
| 1/066 | . . . {the wires being made from special alloy or special steel composition} | 1/185 | . . {characterised by the eye construction} |
| 1/0666 | . . . {the wires being characterised by an anti-corrosive or adhesion promoting coating} | 1/20 | . Buoyant ropes, e.g. with air-filled cellular cores; Accessories therefor |
| 1/0673 | . . {having a rope configuration} | 1/22 | . Flat or flat-sided ropes; Sets of ropes consisting of a series of parallel ropes |
| 1/068 | . . . {characterised by the strand design} | 1/24 | . {Ropes or cables with a prematurely failing element} |
| 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)} | | |
| | | <u>Manufacture of ropes or cables</u> | |
| | | 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}
- 3/022 . . . {with provision for imparting two or more twists to the filaments for each revolution of the guide member}
- 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}
- 5/006 . . . {by the properties of an outer surface polymeric coating}
- 5/007 . . . {comprising postformed and thereby radially plastically deformed elements}
- 5/02 . . . from straw or like vegetable material
- 5/04 . . . Rope bands
- 5/045 . . . {Belts comprising additional filaments for laterally interconnected load bearing members}
- 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
- 7/021 . . . {Guiding means for filaments, strands, ropes or cables}
- 7/022 . . . {Measuring or adjusting the lay or torque in the rope}
- 7/025 . . . {Performing 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
- 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](#))}
- 7/18 . . . for spreading or untwisting ropes or cables into constituent parts for treatment or splicing purposes
- 7/182 . . . {for spreading ropes or cables by hand-operated tools for splicing purposes, e.g. needles or spikes}
- 7/185 . . . {for temporarily untwisting ropes or cables into constituent parts for applying a coating}
- 7/187 . . . {for forming bulbs in ropes or cables}
- 9/00 Binding or sealing ends, e.g. to prevent unravelling**
- 9/001 . . . {combined with cutting or severing}

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| 2201/00 | Ropes or cables |
| 2201/10 | . . . Rope or cable structures |
| 2201/1004 | . . . General structure or appearance |
| 2201/1008 | . . . Several parallel ropes |
| 2201/1012 | . . . characterised by their internal structure |
| 2201/1014 | . . . characterised by being laid or braided from several sub-ropes or sub-cables, e.g. hawsers |
| 2201/1016 | . . . characterised by the use of different strands |
| 2201/102 | . . . including a core |
| 2201/1024 | . . . Structures that change the cross-sectional shape |
| 2201/1028 | . . . characterised by the number of strands |
| 2201/1032 | . . . three to eight strands respectively forming a single layer |
| 2201/1036 | . . . nine or more strands respectively forming multiple layers |
| 2201/104 | . . . twisted |
| 2201/1044 | . . . characterised by a value or range of the pitch parameter given |
| 2201/1048 | . . . using regular lay, i.e. the wires or filaments being parallel to rope axis |
| 2201/1052 | . . . using lang lay, i.e. the wires or filaments being inclined relative to the rope axis |

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|-----------|---------|---|------------|---------|--|
| 2201/1056 | . . . | using alternate lay, i.e. the wires or filaments in the strands being oppositely inclined relative to the rope axis | 2201/2039 | | three to eight wires or filaments respectively forming a single layer |
| 2201/106 | . . . | Pitch changing over length | 2201/204 | | nine or more wires or filaments respectively forming multiple layers |
| 2201/1064 | . . . | characterised by lay direction of the strand compared to the lay direction of the wires in the strand | 2201/2041 | . . . | characterised by the materials used |
| 2201/1068 | | having the same lay direction | 2201/2042 | . . . | characterised by a coating |
| 2201/1072 | . . . | Compact winding, i.e. S/S or Z/Z | 2201/2043 | | comprising metals |
| 2201/1076 | . . . | Open winding | 2201/2044 | | comprising polymers |
| 2201/108 | | Cylinder winding, i.e. S/Z or Z/S | 2201/2045 | | comprising multiple layers |
| 2201/1084 | | Different twist pitch | 2201/2046 | . . . | comprising fillers |
| 2201/1088 | . . | false twisted | 2201/2047 | . . | Cores |
| 2201/1092 | . . | Parallel strands | 2201/2048 | . . . | characterised by their cross-sectional shape |
| 2201/1096 | . . | braided | 2201/2049 | | having protrusions extending radially functioning as spacer between strands or wires |
| 2201/20 | . | Rope or cable components | 2201/2051 | . . . | characterised by a value or range of the dimension given |
| 2201/2001 | . . | Wires or filaments | 2201/2052 | . . . | characterised by their structure |
| 2201/2002 | . . . | characterised by their cross-sectional shape | 2201/2053 | | being homogeneous |
| 2201/2003 | | flat | 2201/2054 | | comprising foam material |
| 2201/2004 | | triangular | 2201/2055 | | comprising filaments or fibers |
| 2201/2005 | | oval | 2201/2056 | | arranged parallel to the axis |
| 2201/2006 | . . . | characterised by a value or range of the dimension given | 2201/2057 | | resulting in a twisted structure |
| 2201/2007 | . . . | characterised by their longitudinal shape | 2201/2058 | | comprising fillers |
| 2201/2008 | | wavy or undulated | 2201/2059 | | comprising wires |
| 2201/2009 | . . . | characterised by the materials used | 2201/206 | | arranged parallel to the axis |
| 2201/201 | . . . | characterised by a coating | 2201/2061 | | resulting in a twisted structure |
| 2201/2011 | | comprising metals | 2201/2062 | | comprising fillers |
| 2201/2012 | | comprising polymers | 2201/2063 | | being hollow |
| 2201/2013 | | comprising multiple layers | 2201/2064 | | being discontinuous in the longitudinal direction |
| 2201/2014 | . . . | Compound wires or compound filaments | 2201/2065 | | comprising a coating |
| 2201/2015 | . . | Strands | 2201/2066 | . . . | characterised by the materials used |
| 2201/2016 | . . . | characterised by their cross-sectional shape | 2201/2067 | . . . | characterised by the elongation or tension behaviour |
| 2201/2017 | | triangular | 2201/2068 | | having a load bearing function |
| 2201/2018 | | oval | 2201/2069 | | being elastic |
| 2201/2019 | . . . | pressed to shape | 2201/207 | | being viscous |
| 2201/202 | . . . | characterised by a value or range of the dimension given | 2201/2071 | . . | Spacers |
| 2201/2021 | . . . | characterised by their longitudinal shape | 2201/2072 | . . . | characterised by the materials used |
| 2201/2022 | . . . | coreless | 2201/2073 | . . . | in circumferential direction |
| 2201/2023 | . . . | with core | 2201/2074 | . . . | in radial direction |
| 2201/2024 | . . . | twisted | 2201/2075 | . . | Fillers |
| 2201/2025 | | characterised by a value or range of the pitch parameter given | 2201/2076 | . . . | having a lubricant function |
| 2201/2026 | | Pitch changing over length | 2201/2077 | . . . | having an anti-corrosive function |
| 2201/2027 | | Compact winding | 2201/2078 | . . . | having a load bearing function |
| 2201/2028 | | having the same lay direction and lay pitch | 2201/2079 | . . . | characterised by the kind or amount of filling |
| 2201/2029 | | Open winding | 2201/208 | | having an open structure |
| 2201/203 | | Cylinder winding, i.e. S/Z or Z/S | 2201/2081 | | having maximum filling |
| 2201/2031 | | Different twist pitch | 2201/2082 | . . . | characterised by the materials used |
| 2201/2032 | | compared with the core | 2201/2083 | . . | Jackets or coverings |
| 2201/2033 | . . . | Parallel wires | 2201/2084 | . . . | characterised by their shape |
| 2201/2034 | . . . | comprising crossing wires or filaments in the same layer | 2201/2085 | | concerning the internal shape |
| 2201/2035 | . . . | false twisted | 2201/2086 | | concerning the external shape |
| 2201/2036 | . . . | characterised by the use of different wires or filaments | 2201/2087 | . . . | being of the coated type |
| 2201/2037 | | regarding the dimension of the wires or filaments | 2201/2088 | . . . | having multiple layers |
| 2201/2038 | . . . | characterised by the number of wires or filaments | 2201/2089 | . . . | comprising wrapped structures |
| | | | 2201/209 | . . . | comprising braided structures |
| | | | 2201/20903 | . . . | comprising woven structures |
| | | | 2201/20907 | . . . | comprising knitted structures |
| | | | 2201/2091 | . . . | being movable relative to the internal structure |
| | | | 2201/2092 | . . . | characterised by the materials used |

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| 2201/2093 | being translucent | 2205/3057 | having a high carbon content, e.g. greater than 0,8 percent respectively SHT or UHT wires |
| 2201/2094 | being luminescent or reflective | 2205/306 | . . . Aluminium (Al) |
| 2201/2095 | . . Auxiliary components, e.g. electric conductors or light guides | 2205/3064 | . . . Chromium (Cr) |
| 2201/2096 | . . . Light guides | 2205/3067 | . . . Copper (Cu) |
| 2201/2097 | . . . Binding wires | 2205/3071 | . . . Zinc (Zn) |
| 2201/2098 | characterized by special properties or the arrangements of the binding wire | 2205/3075 | . . . Tin (Sn) |
| 2205/00 | Rope or cable materials | 2205/3078 | . . . Lead (Pb) |
| 2205/10 | . Natural organic materials | 2205/3082 | . . . Tungsten (W) |
| 2205/103 | . . Animal and plant materials | 2205/3085 | . . . Alloys, i.e. non ferrous |
| 2205/106 | . . . Manila, hemp or sisal | 2205/3089 | Brass, i.e. copper (Cu) and zinc (Zn) alloys |
| 2205/20 | . Organic high polymers | 2205/3092 | Zinc (Zn) and tin (Sn) alloys |
| 2205/2003 | . . Thermoplastics | 2205/3096 | . . . Amorphous metals |
| 2205/2007 | . . Duroplastics | 2205/40 | . Superconductive materials |
| 2205/201 | . . Polyolefins | 2205/405 | . . Ceramic superconductor |
| 2205/2014 | . . . High performance polyolefins, e.g. Dyneema or Spectra | 2205/50 | . Lubricants |
| 2205/2017 | . . Polystyrenes | 2205/502 | . . Oils |
| 2205/2021 | . . Polyvinyl halides | 2205/505 | . . Greases |
| 2205/2025 | . . Polyvinyl acetates | 2205/507 | . . Solid lubricants |
| 2205/2028 | . . Polyvinyl alcohols | 2207/00 | Rope or cable making machines |
| 2205/2032 | . . Polyacrylics | 2207/20 | . Type of machine |
| 2205/2035 | . . Polyacetals | 2207/201 | . . Manually operated systems |
| 2205/2039 | . . Polyesters | 2207/202 | . . Double twist unwinding |
| 2205/2042 | . . . High performance polyesters, e.g. Vectran | 2207/203 | . . . comprising flyer |
| 2205/2046 | . . Polyamides, e.g. nylons | 2207/204 | . . Double twist winding |
| 2205/205 | . . . Aramides | 2207/205 | . . . comprising flyer |
| 2205/2053 | Polybenzimidazol [PBI] | 2207/206 | . . . with means for providing less than double twist, e.g. counter rotating means |
| 2205/2057 | . . Phenol resins | 2207/207 | . . Sequential double twisting devices |
| 2205/206 | . . Epoxy resins | 2207/208 | . . . characterised by at least partially unwinding the twist of the upstream double twisting step |
| 2205/2064 | . . Polyurethane resins | 2207/209 | . . Tubular strander |
| 2205/2067 | . . Viscose or regenerated cellulose, e.g. Rayon | 2207/40 | . Machine components |
| 2205/2071 | . . Fluor resins | 2207/4004 | . . Unwinding devices |
| 2205/2075 | . . Rubbers, i.e. elastomers | 2207/4009 | . . . over the head |
| 2205/2078 | . . . being of natural origin | 2207/4013 | . . . comprising flyer |
| 2205/2082 | . . . being of synthetic nature, e.g. chloroprene | 2207/4018 | . . Rope twisting devices |
| 2205/2085 | . . having particular high polymer characteristics | 2207/4022 | . . . characterised by twisting die specifics |
| 2205/2089 | . . . showing heat contraction | 2207/4027 | including a coating die |
| 2205/2092 | . . . related to water solubility | 2207/4031 | . . Winding device |
| 2205/2096 | . . Poly-p-phenylenebenzo-bisoxazole [PBO] | 2207/4036 | . . . comprising traversing means |
| 2205/30 | . Inorganic materials | 2207/404 | . . Heat treating devices; Corresponding methods |
| 2205/3003 | . . Glass | 2207/4045 | . . . to change the crystal structure of the load bearing material |
| 2205/3007 | . . Carbon | 2207/405 | . . . to heat towards the glass transition temperature of the load bearing material |
| 2205/301 | . . Ceramics | 2207/4054 | . . . to soften the load bearing material |
| 2205/3014 | . . Asbestos | 2207/4059 | . . . to soften the filler material |
| 2205/3017 | . . Silicon carbides | 2207/4063 | . . . for stress relief |
| 2205/3021 | . . Metals | 2207/4068 | . . . for curing |
| 2205/3025 | . . . Steel | 2207/4072 | . . Means for mechanically reducing serpentineing or mechanically killing of rope |
| 2205/3028 | Stainless steel | 2207/4077 | . . Safety devices |
| 2205/3032 | Austenite | 2207/4081 | . . . comprising means for stopping or shutting down the machine |
| 2205/3035 | Pearlite | 2207/4086 | . . . providing warnings |
| 2205/3039 | Martensite | 2207/409 | . . Drives |
| 2205/3042 | Ferrite | 2207/4095 | . . . Control means therefor |
| 2205/3046 | characterised by the carbon content | 2301/00 | Controls |
| 2205/305 | having a low carbon content, e.g. below 0,5 percent respectively NT wires | 2301/10 | . Open loop |
| 2205/3053 | having a medium carbon content, e.g. greater than 0,5 percent and lower than 0.8 percent respectively HT wires | | |

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| 2301/15 | . Closed loop | 2301/554 | . . . for measuring variable resistance |
| 2301/155 | . . being of the extended closed loop control system type, e.g. using models or more than one signal in the feedback loop | 2301/5545 | . . . and piezoelectric phenomena |
| 2301/20 | . Controller types | 2301/555 | . . . for measuring magnetic properties |
| 2301/201 | . . proportional | 2301/5554 | . . . for measuring capacitance |
| 2301/202 | . . integrative | 2301/5559 | . . . for measuring inductance |
| 2301/204 | . . differential | 2301/5563 | . . . for measuring temperature, i.e. thermocouples |
| 2301/205 | . . Programmable controllers; Calculating or controlling methods | 2301/5568 | . . . acoustic or ultrasonic |
| 2301/207 | . . . Fuzzy logic | 2301/5572 | . . . optical |
| 2301/208 | . . . using timing functions | 2301/5577 | . . . using light guides |
| 2301/25 | . System input signals, e.g. set points | 2301/5581 | . . . using cameras |
| 2301/251 | . . Twist | 2301/5586 | . . . using lasers |
| 2301/252 | . . Temperature | 2301/559 | . . . for pressure |
| 2301/253 | . . . Temperature profile or sequence | 2301/5595 | . . . for force |
| 2301/254 | . . Amount of material | 2401/00 | Aspects related to the problem to be solved or advantage |
| 2301/255 | . . Power consumption of drive | 2401/20 | . related to ropes or cables |
| 2301/256 | . . Pressure | 2401/2005 | . . Elongation or elasticity |
| 2301/257 | . . Force | 2401/201 | . . . regarding structural elongation |
| 2301/258 | . . Tensile stress | 2401/2015 | . . Killing or avoiding twist |
| 2301/259 | . . Strain or elongation | 2401/202 | . . Environmental resistance |
| 2301/30 | . Signals indicating failure or excessive conditions, e.g. overheating | 2401/2025 | . . . avoiding corrosion |
| 2301/302 | . . Temperature | 2401/203 | . . . Low temperature resistance |
| 2301/305 | . . Wear or friction | 2401/2035 | . . . High temperature resistance |
| 2301/307 | . . Breakage of wire or strand or rope | 2401/204 | . . . Moisture handling |
| 2301/35 | . System output signals | 2401/2045 | . . Avoiding longitudinal load for covering |
| 2301/3508 | . . Twist | 2401/205 | . . Avoiding relative movement of components |
| 2301/3516 | . . Temperature | 2401/2055 | . . Improving load capacity |
| 2301/3525 | . . . Temperature profile or sequence | 2401/206 | . . Improving radial flexibility |
| 2301/3533 | . . Amount of material | 2401/2065 | . . Reducing wear |
| 2301/3541 | . . Power consumption of drive | 2401/207 | . . . internally |
| 2301/355 | . . Pressure | 2401/2075 | . . . externally |
| 2301/3558 | . . Force | 2401/208 | . . Enabling filler penetration |
| 2301/3566 | . . Tensile stress | 2401/2085 | . . Adjusting or controlling final twist |
| 2301/3575 | . . Strain or elongation | 2401/209 | . . . comprising compensation of rope twist in strand twist |
| 2301/3583 | . . Rotational speed | 2401/2095 | . . Improving filler wetting respectively or filler adhesion |
| 2301/3591 | . . Linear speed | 2401/40 | . related to rope making machines |
| 2301/40 | . Feedback signal in closed loop controls | 2401/401 | . . Reducing wear |
| 2301/4008 | . . Twist | 2401/403 | . . Reducing vibrations |
| 2301/4016 | . . Temperature | 2401/405 | . . Addressing space constraints |
| 2301/4025 | . . . Temperature profile or sequence | 2401/406 | . . Increasing speed |
| 2301/4033 | . . Amount of material | 2401/408 | . . Increasing rope length, e.g. on drum |
| 2301/4041 | . . Power consumption of drive | 2501/00 | Application field |
| 2301/405 | . . Pressure | 2501/20 | . related to ropes or cables |
| 2301/4058 | . . Force | 2501/2007 | . . Elevators |
| 2301/4066 | . . Tensile stress | 2501/2015 | . . Construction industries |
| 2301/4075 | . . Strain or elongation | 2501/2023 | . . . Concrete enforcements |
| 2301/4083 | . . Rotational speed | 2501/203 | . . . Bridges |
| 2301/4091 | . . Linear speed | 2501/2038 | . . Agriculture, forestry and fishery |
| 2301/45 | . for diagnosing | 2501/2046 | . . Tyre cords |
| 2301/50 | . User Interface or value setting | 2501/2053 | . . . for wheel rim attachment |
| 2301/55 | . Sensors | 2501/2061 | . . Ship moorings |
| 2301/5504 | . . characterised by their arrangement | 2501/2069 | . . Climbing or tents |
| 2301/5509 | . . . being movable | 2501/2076 | . . Power transmissions |
| 2301/5513 | . . . being of the reflective type | 2501/2084 | . . Mechanical controls, e.g. door lashes |
| 2301/5518 | Transducers therefor | 2501/2092 | . . Evacuation lines or lifelines |
| 2301/5522 | . . . being of the barrier type | 2501/40 | . related to rope or cable making machines |
| 2301/5527 | . . . comprising an array or multiple sensors | 2501/403 | . . for making belts |
| 2301/5531 | . . using electric means or elements | 2501/406 | . . for making electrically conductive cables |
| 2301/5536 | . . . for measuring electrical current | | |

D07B

2801/00 Linked indexing codes associated with indexing codes or classes of [D07B](#)

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 filamentary 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