

CODE (max. 10 chars incl. spaces)	REASON	TITLE	SCOPE NOTES	KEYWORDS/SEARCH TERMS
Section Q1				
Q12 Suspension systems				
Q12-B02C	New	Torsion Damper	Includes torsional damping arrangements	
Q12-B02D	New	Rubber damper	Includes elastic material, e.g. rubber or elastomer dampers.	
Q13 Powertrain, Chainset, Transmission Systems and their control				
Q13-A17	New	Chainrings and sprockets	Includes torsional damping arrangements	
Q13-A26	New	Mountings	Includes gearbox, differential and drive train mounting arrangements.	Bush, rubber, bracket
Q14 Vehicle Accessories				
Q14-C02A	New	For protecting specific occupant	The codes below are used to highlight whether a specific occupant is being protected. For e.g. curtain airbags designed to protect all vehicle occupants then no Q14-C02A codes need be applied.	
Q14-C02A1	New	For protecting driver		
Q14-C02A2	New	For protecting front seat passenger		
Q14-C02A3	New	For protecting rear seat passengers		
Q14-C02C	New	Specific inflatable restraint types	These codes can be applied to highlight specific types of inflatable occupant restraint.	
Q14-C02C1	New	Inflatable knee bolster		
Q14-C02C2	New	Side/curtain airbag		
Q14-C02C3	New	Dashboard/steering wheel mounted airbag		
Q14-C02C4	New	Roof mounted airbag		
Q14-C16	New	Vehicle specific clothing	Can be used for all mechanical aspects of vehicle specific clothing, including bicycle and motorcycle helmets, safety shoes and jackets with protective inserts.	
Q18 Brake Systems; Steering Systems; Control				
Q18-B01D5	New	Collapsible steering column	Includes steering columns designed to collapse during vehicle collision for safety purposes (see also Q14-C20 for driver safety).	
Section Q2				
Q24 Ships, waterborne vessels, related equipment				
Q24-E02M	New	Fuel supply arrangements	Includes fuel tanks and associated pipework. For IC engine and gas turbine engine fuel supply aspects see Q51-H01 and Q52-C codes respectively.	
Q24-P24	New	Tanker vessels	Includes marine vessels that transport fluids such as crude oil, water, fuels etc.	

Section Q5				
Q51 Internal Combustion Engines; Reciprocating Engines; Rotary Engines				
Q51-J02E	New	Exhaust gas recirculation	Includes mechanical aspects of exhaust gas recirculation arrangements. See X22-A07 for electrical aspects of EGR or X22-A03A2C for EGR control.	EGR
Section Q6				
Q63 Couplings;, clutches, brakes, springs, dampers				
Q63-E02D	New	Elastic dampers	Includes rubber and elastic material dampers.	
Q63-E02E	New	Magnetic dampers	Includes magnetic fluid dampers (see also Q63-E02A).	
Section S				
S05 Electrical Medical Equipment				
S05-A05E	New	Physical therapy	See W04-X01 codes for sports equipment.	
S06 Electrophotography and Photography				
S06-A05D	New	Care of transfer appts.	For lubrication of transfer roller, belt, intermediate roller or belt.	Lubricant
S06-A06P	New	Pre-fixing	E.g. for reducing the moisture content of the transfer material to increase its rigidity.	
S06-A12F	New	Duplex sheet feed		
S06-A18C	New	Shredding	Includes immediate shredding directly after scanning.	
S06-A18D	New	Attachment or printing of copy prevention marks to document to prevent forgery	Includes applying a magnetic wire, RFID tag, etc., as part of the printing process. If attaching a RFID tag, see also T04-K codes. Detection of copy prevention marks on documents are coded under S06-A14F. Details on watermarking also coded under T01	
S06-A19E	New	Packaging for electrography, electrophotography and magnetography.		
S06-C04	New	Media conveying details	Includes electrical details of media, e.g. paper or web, conveying in printer, e.g. offset printer.	
Section T				
T01 Digital Computers				
T01-F05E1	New	Middleware		
T03 Computing and control				
T03-A01B7	New	Heat transfer layers	This code covers heat transfer layers chiefly for thermo-assisted magnetic record carriers, for which T03-A01T is also assigned.	Thermal, laser, heating, spot
T03-A01G3	New	Carrier with discrete magnetic recording areas	Includes magnetic carrier with patterned magnetic layer, such as nano-imprinted type. For hard disk carriers search with T03-A01C1A and other T03-A01 codes as appropriate. Manufacture of such carriers is covered by T03-A02G3 and other T03-A02 codes as appropriate.	Pattern, depression, pit

T03-A01T	New	Thermo-assisted magnetic record carrier	Cover magnetic carriers which are locally heated to facilitate high density recording. Equipment using this type of recording is assigned T03-A06M codes, and other T03 codes as appropriate.	HAMR, heat assisted magnetic recording
T03-A02G	New	Manufacture of carrier with separate recording areas	Includes manufacture of magnetic carrier not having magnetic recording film over the whole area.	
T03-A02G1	New	Manufacture of carrier with separate magnetic recording tracks	Includes manufacture of magnetic carrier with separate magnetic track regions. For hard disk carriers search with T03-A02E1A and other T03-A02 codes as appropriate.	
T03-A02G3	New	Manufacture of carrier with discrete magnetic recording areas	Includes manufacture of magnetic carrier with patterned magnetic layer, such as nano-imprinted type.	Pattern, depression, pit, stamper
T03-A02G5	New	Manufacture of carrier including non-magnetic recording areas	Includes manufacture of magnetic carrier with separate recording area using other technology, such as optical, for which T03-B codes are also assigned. Magneto-optical record carriers are not included here, being covered by T03-D01A8 codes.	
T03-A05A1E	New	Head positioning for dual actuator systems	Includes control of a secondary actuator, e.g. on the main head arm of a disk drive, for fine positioning. For details of head adjusting elements per se see T03-A05A1A	Piezoelectric
T04 Computer Peripheral Equipment				
T04-G02A2	New			
T04-G06S	New		Includes details of shredder integrated into printer, e.g. for automatically shredding confidential paper after paper jam.	
T04-H03M	New	Multi-display system		
Section V				
V06 Electromechanical Transducers and Small Machines				
V06-M01A1	New	Interior permanent magnet		
V06-M06T	New	External rotor type motor	Includes motor with an outer or external rotor construction	
V06-M16	New	Non-electrodynamic motor details	Includes details such as electrodes for motors such as piezoelectric, electrostatic, etc.	
V06-V04M	New	Computers		
V06-V04N	New	Alarms; signalling		
V06-V04P	New	Personal		
V06-V04Q	New	Displays		
V06-V04R	New	Toys; games; sports		
V06-V04S	New	Domestic		

Section W				
W02 Broadcasting, Radio and Line Transmission Systems				
W02-F07M1A	New	Reduced data-rate digital video broadcasting	This code is intended for transmission of digital TV broadcasts at a deliberately-reduced data rate, e.g. for handheld receivers with reduced processing and display capabilities.	DVB-H
W03 TV and Broadcast Radio Receivers				
W03-A01D	New	Multiple tuner aspects	This code is assigned with other W03-A codes as appropriate and is intended to highlight the use of two or more tuners in a TV receiver, set-top box, and the like. For novel tuner circuitry W03-A01B codes are also assigned and for novel frequency or channel control aspects W03-A02A or W03-A02B codes. For use in connection with PIP or POP display W03-A13B is also assigned.	Dual
W03-B01D	New	Multiple tuner aspects	This code is assigned with other W03-B codes as appropriate and is intended to highlight the use of two or more tuners in a broadcast radio receiver. For novel tuner circuitry W03-B01A codes are also assigned and for novel frequency or channel control aspects W03-A02A or W03-A02B codes. For use in connection with PIP or POP display W03-A13B is also assigned.	Dual
W04 Audio/ Visual Recording and Systems				
W04-E20P	New	Playlist management	This code covers the creation and selection of playlists, either manually or automatically. Indexing aspects are covered by W04-H01C codes. Automatic selection of playlists based on sensed emotional or mental state is also assigned S05-D01X (and other S05-D codes as appropriate). For determination of such states based on voice analysis, W04-V04A4 is also assigned and if based on image analysis T04-D07F codes are also assigned.	Favourite, top-rated, star-rated, daytime, evening, weekend, jazz, classical, rock, pop, tempo, rhythm
W04-P01A4F	New	Converting between variable and fixed rate encoding	This code is intended to highlight fixed and variable rate aspects of video encoding.	
W04-V04A4	New	Determining emotional status of speaker	For determining the emotional status of a speaker by analysing characteristics e.g. volume level, pitch of the speaker's voice, and/or words used by the speaker.	Tremor
W05 Alarms, Signalling, Telemetry and Telecontrol				
W05-B05A7	New	With central station signalling to alarm sensors or substations	This code covers 'reverse' transmission, i.e. alarm signalling from a central station to sensors or alarm substations.	

W06 Aviation, Marine and Radar Systems				
W06-B06	New	Design of aircraft and space vehicles	Includes all electrical details of aircraft/spacecraft design. Also see T01-J15 codes for computer aided design (CAD) per se.	
W06-C06	New	Design of marine vessels	Includes all electrical details of ship and marine craft design. Also see T01-J15 codes for computer aided design (CAD) per se. See	
W06-T	New	Other transportation systems	Includes all aspects of teleportation and time travel.	Time machine, space-time, theoretical
Section X				
X11 Power Generation and High Power Machines				
X11-G01	New	Interior permanent magnet		
X12 Power Distribution/ Components/ Converters				
X12-H01B2A	New	Synchronising generator(s) with network	Includes arrangements to synchronise frequency and phase sequence.	
X13 Switchgear. Protection, Electric Drives				
X13-C01F	New	Arc fault	For detecting and protecting against arcing faults	
X16 Electrochemical Storage				
X16-G02C1	New	IC engine-driven		
X16-G02C2	New	Wind power-driven		
X22 Automotive Electrics				
X22-B01A5	New	LEDs	Includes novel light emitting diodes used for vehicle headlamps. See also U12-A01 codes and X26-H for LEDs per se.	
X22-E99	New	Other instrumentation	Includes dashboard instrumentation and warnings not covered previously.	
X22-K11	New	Vehicle telephone	Includes all aspects of car phones, including hands-free arrangements. Also see W01 codes for telephones and cellular communication per se. Also see X22-X02B for novel phone mounting arrangement.	
X22-M01A	New	Mechanical springs/dampers	Includes electrical details of suspension systems using mechanical/pneumatic/fluid springs and dampers.	
X22-M01C	New	Electric springs/dampers	Includes suspensions that utilise linear electromagnetic motors (LEMs) at each wheel in place of conventional shock absorbers and springs. See also V06 codes for linear electric motors per se.	
X22-X20	New	Vehicle design/manufacture/assembly	Includes electrical details of design, manufacture and assembly of vehicles and vehicle components. See Q16-D codes for mechanical aspects of vehicle design and manufacture.	
X22-X20A	New	Vehicle manufacture/assembly	Includes manufacture and assembly of motor vehicles and their components. See X25-X14 for manufacturing/assembly plant per se.	
X22-X20E	New	Vehicle design	Includes all electrical details of vehicle design. Also see T01-J15 codes for computer aided design (CAD).	

X25 Industrial Electric Equipment				
X25-X20	New	Weather influencing/manipulation	Includes all electrical aspects of systems for controlling weather conditions such as using artificial lightning to produce rain or disperse clouds. Also includes electrical aspects associated with dispersing materials for cloud seeding. For measurement of weather conditions see S03-D codes, and see W06-B01C9 for aircraft-mounted weather influencing systems.	
X26 Lighting				
X26-A01B1	New	Plasma lamp	Includes electrode-less lamps using plasma discharge.	
X26-H01	New	LEDs	Includes semiconductor P-N junction type LEDs, per se, when used for illumination. See also U12-A01 codes for more details of the diodes. OLEDs or organic LED-based lighting is covered by X26-J.	
X26-H03	New	LED circuits	Includes circuits for driving/operating LEDs. See also U12-A01A5 codes.	
X26-Q	New	Lamps with non-visible output	Includes lamps that primarily produce illumination outside of the visible spectrum.	
X26-Q01	New	IR lamps	Includes all lamps that produce IR illumination, e.g. IR LEDs (see also X26-H) used for night vision/surveillance system illumination. Can be used in conjunction with other X26 codes as appropriate. For infrared lamps used for heating/curing see X26-U03 a	Infrared, IR
X26-Q03	New	UV lamps	Includes all lamps that produce UV illumination, e.g. fluorescent black-lights (see also X26-A codes) and sun tan lamps (see also X26-U01).	ultraviolet, UV