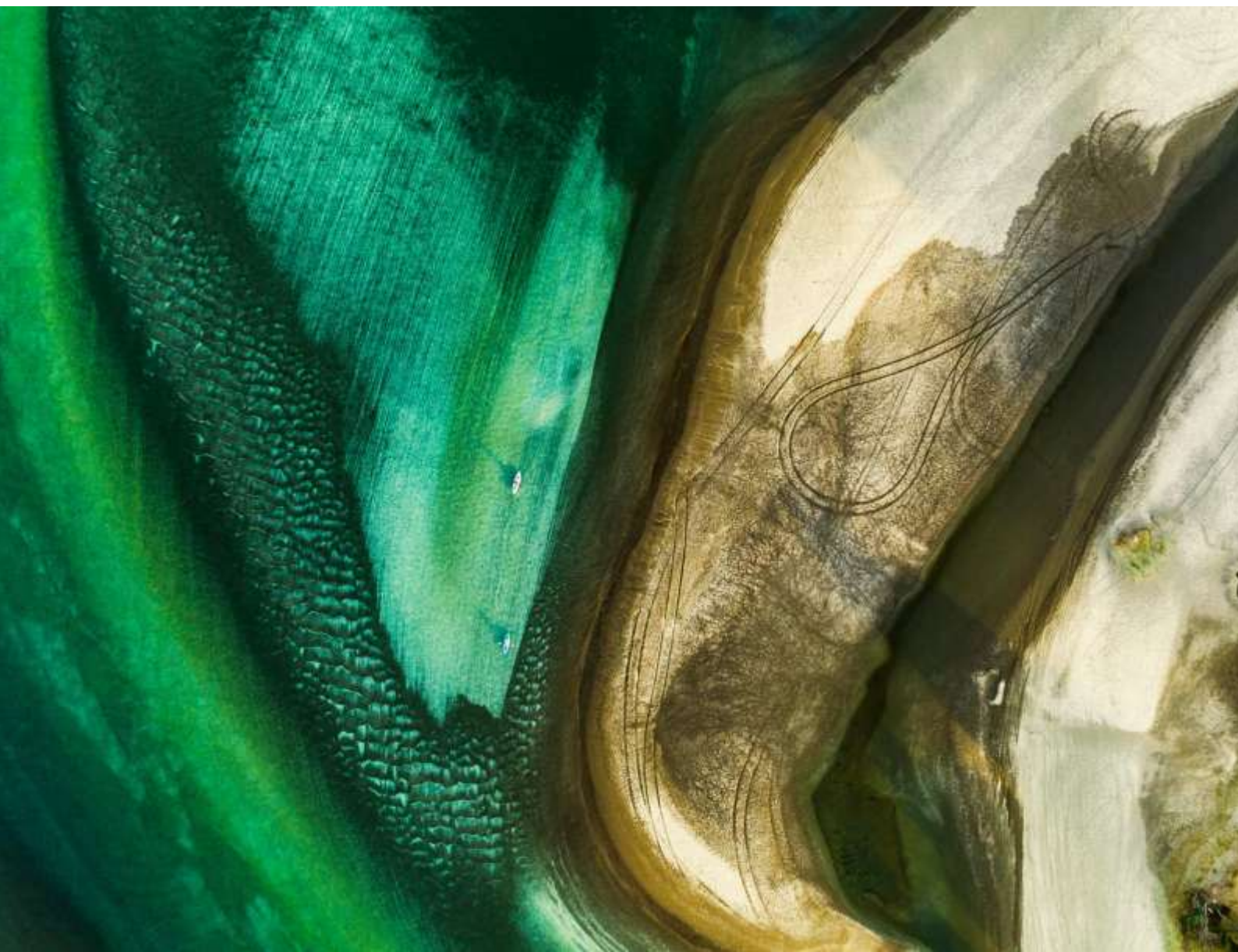


Derwent World Patents Index®

MCR 2027 Proposed CPI, GMPI and EPI Changes

September 2026



DWPI Manual Code Revision 2027 - CPI Codes					
New / Changed / Retired	Code	Date Range	Title	Scope Notes	Search Terms
SECTION A					
Scope Notes only	A05-H	(2026-)	Other polyethers	E.g. polyglycerol, polyorthoester.	
Scope Notes only	A12-V02A	(1986-)	Optical	E.g. contact lenses, intraocular lens. For spectacle lenses see also A12-L02A. For spectacle frames see A12-L03. Prior to 1986 see A12-V02.	
SECTION B					
Scope Notes only	B11-C03	(1971-)	Dispensers	For applying liquid fertilizers (e.g. foliar) and pesticides. Includes agriculture drones and Unmanned Aerial Vehicles (UAVs).	
New	B11-C11D	(2027-)	Spatial omics	These involve actual generation/acquisition/localization of spatial molecular information transcriptomics, proteomics, metabolomics within intact tissue rather than downstream computational analysis.	<i>Spatial transcriptomics, spatial proteomics, spatial metabolic-engineering</i>
New	B12-M11C1	(2027-)	Softgel capsule		
SECTION C					
Scope Notes only	C11-C03	(1971-)	Dispensers	For applying liquid fertilizers (e.g. foliar) and pesticides. Includes agriculture drones and Unmanned Aerial Vehicles (UAVs).	
New	C11-C11D	(2027-)	Spatial omics	These involve actual generation/acquisition/localization of spatial molecular information transcriptomics, proteomics, metabolomics within intact tissue rather than downstream computational analysis.	<i>Spatial transcriptomics, spatial proteomics, spatial metabolic-engineering</i>
New	C12-M11C1	(2027-)	Softgel capsule		
SECTION D					
New	D03-K08B1	(2027-)	Edible packaging material		
New	D03-K15	(2027-)	Fermentation device	Includes enzymatic process.	
New	D07-E	(2027-)	Artificial or imitation leather	Includes mechanical and chemical treatment details, e.g. cutting, dyeing, etc.	<i>Vegan/fake/synthetic leather</i>
New	D09-C01F1	(2027-)	Electrical implants	Includes pacemakers, hearing aids and nerve stimulators.	

SECTION D (continued)					
New	D09-C01H	(2027-)	Drug system and medical device	Includes drug delivery systems used for treating cancer and other illnesses, as well as medical devices such as nursing devices, surgical devices, surgical assistance devices, blood collection devices, and sample collection devices for the detection of diseases such as cancer and tumours.	
New	D09-C04F	(2027-)	Pet diapers		
New	D11-A13	(2027-)	Biosurfactants	Includes surfactants produced by living organisms.	
SECTION E					
New	E11-J04	(2026-)	Epimerization	Covers change in the configuration of only one chiral center.	
New	E12-A09C	(2026-)	Rods		
New	E12-B09	(2026-)	Colloidal form		

DWPI Manual Code Revision 2027 - GMPI & EPI Codes

New / Changed / Retired	Class	Code	Date Range	Title	Scope Notes	Search Terms
SECTION P						
Scope Notes only	P34	P34-A02	(2015-)	Syringes and other devices for introduction and removal of media from body	Includes syringes, needles, irrigation devices, inhalers, sprayers, atomizers and insufflators, subcutaneous, intra-vascular or intra-muscular devices, catheters and other drainage apparatus, applicators and blood transfusion equipment. For oral administration devices and methods, see P33-A50. Also includes non-electrical details of tattoo pens. Electrical details of tattoo pens are covered by X27-A02.	<i>Eye drop dispenser</i>
SECTION Q						
Scope Notes only	Q25	Q25-P02	(2006-)	Rotorcraft; Helicopter	Includes multiple rotor personal flying vehicles. See Q25-P15 instead for unmanned drones with multiple rotors.	
Scope Notes + Search Terms	Q25	Q25-P15	(2006-)	Unmanned aerial vehicles	Includes mechanical aspects of UAVs, drones and micro UAVs used for geophysical surveying/imaging (also see S02-B04), military reconnaissance/warfare (see also W07-F04 for reconnaissance and W07-X01 for military vehicles), logistics/package delivery (also see X25-F12), drone soccer (also see W04-X01K1J) etc.	<i>Drone</i>
New	Q55	Q55-V	(2027-)	General control and safety features	Includes general control and safety features of positive displacement fluid machines/pumps/compressors (i.e. for driving fluid). To be used in conjunction with other Q55 codes. Electrical details of pumps and compressors are coded under X25-L03A and X25-L03B, respectively.	
New	Q56	Q56-V	(2027-)	General control and safety features	Includes general control and safety features of non-positive displacement fluid machines/pumps/compressors (i.e. for driving fluid). To be used in conjunction with other Q55 codes. Electrical details of pumps and compressors are coded under X25-L03A and X25-L03B, respectively.	
Search Terms only	Q61	Q61-X	(-)	Other fastening elements	Includes hooks and eyes, suction cups etc. Also includes tenons and male/female groove connections.	<i>Fast/quick connection block</i>
Scope Notes + Search Terms	Q68	Q68-X	(2018-)	Other engineering elements	This code covers engineering elements, such as elongated elements, not covered by any other Q61 to Q68 codes.	<i>Rod, shaft</i>

SECTION S						
Scope Notes + Search Terms	S01	S01-G01B	(-)	Printed circuit boards	See V04-R06 codes. Includes flexible circuit board testing.	Contact, mount, probe, pin, PCB, FCB, FPCB
Scope Notes only	S01	S01-G06	(1983-)	Batteries	See X16-H also which includes non-electric testing, e.g. of specific gravity, not coded in S01-G06.	Charge, terminal, accumulator, ampere-hour, capacity
Search Terms only	S02	S02-B04	(-)	Photographic surveying; Open-water surveying	Includes electronic imaging surveillance from e.g. orbiting space vehicle. Electrical aspects of photographic cameras are covered by S06-B codes, video cameras by W04-M01 codes.	Photogrammetric, aerial, aircraft, satellite, map, plane, sea, drone
Scope Notes + Search Terms	S03	S03-E04C	(-)	Scattering, diffuse reflection	Includes Rayleigh and Tyndall scattering. Also includes Optical Time Domain Reflectometry (from 1992; previously coded in S03-E04B1), and optical frequency domain reflectometry.	OTDR, OFDR
Search Terms only	S05	S05-B03	(1992-)	Using mechanical or electrical equipment	Includes electrosurgical apparatus and electrosurgical cauterisation instruments.	Magnetic/electromagnetic
SECTION T						
New	T01	T01-J16E2	(2027-)	Generative artificial intelligence (GenAI)	Includes tools or interactive interfaces that enable AI models to generate new content, such as text, images, audio, video, and software code, based on patterns learned from large datasets.	GenAI
Scope Notes only	T01	T01-M06A1D	(2006-)	Wearable computers	Includes 'smartwatches', 'smart rings' and other computer devices used for applications such as fitness tracking and health monitoring. For physiological measurements search with S05-D01 codes and for performance-related measurements during sports or fitness training search with W04-X01A1.	
Scope Notes + Search Terms	T01	T01-N01A2A	(2002-)	E-shop, e-auction, e-mall, and e-services	Includes on-line ordering, transactions of goods and services, online tourism systems, and virtual market place, See T01-J05A together with T01-H07C5E prior to 2002.	On-line shopping, auction, e-commerce

SECTION U						
New	U11	U11-C16	(2027-)	Use of Artificial Intelligence (AI) during semiconductor manufacturing/processing	Includes using AI to optimise semiconductor processing such as lithography, etching, doping, deposition, CMP, VLSI design, heating etc. To be used with other U11-C codes to highlight the manufacturing steps. See also T01-J16P2 for application of AI in the industrial and manufacturing industry.	
SECTION V						
Scope Notes + Search Terms	V04	V04-R09	(-)	Other details of printed circuit manufacture	Includes static electricity neutralising, PCB holder/support etc. Also includes labelling of barcodes/QR codes and PCB information details.	<i>Label, bar code</i>
Scope Notes only	V04	V04-T03	(-)	Cooling; Heating; Air filtering/cleaning; Dehumidifiers	Includes cooling of electronic apparatus, systems and devices. Individual component cooling is also coded in relevant classes, e.g. for ICs, see U11-D02 codes. Includes control details.	
Scope Notes + Search Terms	V05	V05-E08A	(2005-)	'Optical' manipulation of X-rays	This code is intended to be used with X-ray optical elements that use wave effects or similar to alter e.g. the focus or direction of the radiation. Also includes the attenuation of X-rays, i.e. overall reduction in intensity of an X-ray beam as it passes through any matter.	<i>Molybdenum layered mirror, capillary optics, Kumakhov lens, X-ray attenuation</i>
Scope Notes + Search Terms	V05	V05-F08G	(2005-)	Powder synthesis	Includes powder manufacturing, powder synthesis or nanoparticulate production.	<i>Plasma sintering</i>
SECTION W						
Search Terms only	W01	W01-A07H1	(1997-)	Wired interface	This code is intended for transmission of data through a wired medium, including serial and parallel interfaces. Prior to 2006 this code included optical fiber interfaces when used with W01-A07E. From 2006 interfaces of that type are covered by W01-A07H4.	<i>C-type, Centronics(RTM), Firewire(RTM), IEEE1394, i-link(RTM), parallel port, RS-232, RS-485, serial port, universal serial bus, USB, model context protocol, MCP</i>
Scope Notes + Search Terms	W01	W01-C01A9	(1992-)	Other constructional details	Includes hygiene arrangements (see also V06 codes), and waterproof structures in mobile phones, including sealing arrangements, waterproof casings, and other means for preventing the ingress of water into the device. Telephone cable connected to subscriber equipment is not included, being covered by W01-C01X.	<i>Waterproof structure</i>

SECTION W (continued)						
Search Terms only	W04	W04-X01K1J	(2011-)	Football (soccer)		<i>Drone soccer</i>
Scope Notes only	W04	W04-X03E1A	(2002-)	Model aircraft	Includes model aeroplanes and spacecraft, remote-controlled toy drone etc. See W04-X03E1M, Q25-P15 or W06-B15U instead for drones used for e.g. commercial, industrial or military purposes, respectively. For drone soccer (see W04-X01K1J instead).	
Scope Notes only	W04	W04-X03E1M	(2002-)	Model vehicle used for commercial or industrial purposes	Includes model vehicles used for applications other than recreation or play. See also see Q25-P15 or W06-B15U for UAVs and drones per se. used for surveying (also see S02-B04), reconnaissance/surveillance (also see W07-F04 and W07-X01), logistics (also see X25-F12), drone soccer (also see W04-X01K1J) etc.	
Scope Notes only	W06	W06-B15B	(2006-)	Helicopter; Rotorcraft	Includes electrical aspects of multiple rotor personal flying vehicles. See W06-B15U instead for electrical aspects of unmanned drones with multiple rotors. See Q25-P15 for mechanical aspects of unmanned aerial vehicles.	
Scope Notes only	W06	W06-B15U	(2007-)	Unmanned aerial vehicles	Includes UAVs, drones and micro UAVs used for geophysical surveying/imaging (also see S02-B04 for photographic surveying and electronic imaging/surveillance), military reconnaissance (also see W07-F04 for reconnaissance and W07-X01 for military vehicles), logistics such as food and commodity delivery (also see X25-F12), drone soccer (also see W04-X01K1J) etc. See W05-D08C and W05-D07D codes for remote control aspects. See W04-X03E1A instead for toy aircraft and toy drones and W04-X03E1M for toy drones used for commercial or industrial purposes.	
Scope Notes + Search Terms	W07	W07-F03	(1992-)	Protection for weapons or equipment	Includes launching of countermeasures to protect aircraft from seeker missile or use of laser to confuse IR sensor on hostile missile. See also W06-A04E1 codes and W06-A06C8 respectively for radar and lidar jamming and countermeasures. Includes anti-drone measures for countering, jamming or intercepting aerial or ground-based drones. Also includes measures to defend against military cyber attacks.	<i>Decoy, flare, anti-radar chaff, jamming, stealth, cyber warfare, anti-drone</i>

SECTION X						
New	X16	X16-G04	(2027-)	Charging management	Includes systems and methods for controlling, scheduling, monitoring or optimising battery charging. Includes adjustment of charging current or voltage in response to battery condition, state of charge, temperature, cost, demand or user requirements, as well as charge termination and fault protection. For measurement of remaining charge, see also X16-H01 and S01-G06A.	<i>Trickle charger</i>
New	X16	X16-G05	(2027-)	Charging infrastructure	Includes physical and networked infrastructure provided to support battery charging. Includes charging stations, charging points, docks, and other infrastructure such as lamp posts with built-in charging points. Includes charging cables and connectors, see also X12-G codes.	<i>Supercharger, three-phase, DC, Rapid charger, ultra-rapid, charging bay, public charge point, home wall box</i>
Scope Notes only	X16	X16-H01	(1992-)	Remaining charge	See also S01-G06 codes. Details of battery charge management is coded under X16-G04.	
Search Terms only	X25	X25-T04B2	(2006-)	Knitting machines		<i>Weft knitting, warp knitting</i>
Scope Notes only	X25	X25-T04C	(2006-)	Sewing machines; Embroidery machines	See T06-D03D also for control details of sewing and embroidery machines. Also includes textile embossing machines, e.g. using ultrasonic embossing machines.	<i>Saw, embroider</i>
Scope Notes only	X27	X27-A02	(1983-)	Personal articles	Includes e.g. calorie counter, wristwatches are not included - see S04, bathroom scales, hair thickening device, umbrella, beauty treatment, powder compact, pill timing/warning device, also W05-A and S05-X, key finder (see W05-A also depending on transmission details) and tattoo pens. Non-electrical details of tattoo pens are covered by P34-A02. From 201501, non-electrical details of umbrellas are coded under P24-A02.	<i>Facial steamer</i>
Scope Notes only	X27	X27-A02B2	(1987-)	Jewellery	In general includes jewellery with electrical devices e.g. flashing LEDs to create eye-catching effect. See also X26-H codes for details of LEDs. Includes smart rings. Smart rings are also coded under T01-M06A1D (wearable computers) and S05-D01 (measuring and recording systems).	<i>Brooch, clip, jewel</i>

SECTION X (continued)						
Scope Notes + Search Terms	X27	X27-U	(2006-)	Domestic assistance robots	Includes e.g. humanoid robots which carry out general housework, nursing (see also S05 codes) and other duties. For task-specific robots also see relevant codes elsewhere, e.g. X27-C codes for cooking robot or X27-D cleaning robots. Please note that robotic vacuum cleaners are coded under X27-D04R. For industrial scale robots see X25-A03E or X25-F05A only.	<i>Cooking robot, AI kitchen</i>
Scope Notes only	X27	X27-V	(2006-)	Home automation	Includes systems for automatically controlling/programming multiple pieces of domestic equipment, e.g. using internet, telephone communication or AI. The use of AI technology at home is also coded under T01-J16P5. For remote control of individual domestic devices, use the appropriate device code only (see also W05-D codes). Domestic assistance robots, such as cooking robots, are coded under X27-U together with the relevant X27 code(s) to identify domestic assistance, e.g. X27-C for cooking or X27-D for cleaning.	<i>Total home control, AI</i>

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