CPC COOPERATIVE PATENT CLASSIFICATION

Y GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS

(NOTES omitted)

Y02 TECHNOLOGIES OR APPLICATIONS FOR MITIGATION OR ADAPTATION AGAINST CLIMATE CHANGE

(NOTES omitted)

Y02A TECHNOLOGIES FOR ADAPTATION TO CLIMATE CHANGE

NOTE

This subclass covers technologies for adaptation to climate change, i.e. technologies that allow adapting to the adverse effects of climate change in human, industrial (including agriculture and livestock) and economic activities.

10/00 **at coastal zones; at river basins**
10/11 . Hard structures
10/12 . . Reservoirs; Polders
10/13 . . Dykes; Dams
10/14 . . Sea-walls, surge or tidal barriers
10/15 . . Self-contained breakwaters
10/16 . . Revetments of the shore
10/17 . . Groynes
10/18 . . Jetties or landing bridges
10/20 . Soft structures
10/21 . . Land claim or beach nourishment
10/22 . . Wetland restoration or creation
10/23 . . Dune restoration or creation
10/24 . . Cliff stabilization
10/25 . . Artificial seaweed
10/26 . . Artificial reefs
10/27 . . Restoration or protection of coral reefs
10/28 . . Sediment management
10/30 . Flood prevention; Flood management or accommodation; Storm water management
10/31 . . Permanently installed flood barriers
10/32 . . Temporarily installed flood barriers
10/33 . . Infiltration of water into the ground
10/34 . . Flood-proof sanitary latrines
10/35 . . Revetments for protection of river banks or dykes
10/36 . . Equalizing tanks in the sewage system for regulating the run-off
10/37 . . Bioswales
10/38 . . Changing the natural surface of ground to re-route water
10/383 . . . Weirs
10/386 . . . Locks
10/39 . . Evacuation systems
10/395 . . Curb floodplain development for flood management
10/40 . Monitoring; Forecasting; Planning
10/41 . . of coastal areas
10/42 . . Real-time flood forecasting
10/44 . . Disaster preparedness plans
10/46 . . Computerized flood control, risk assessment or mapping
10/48 . . Hazard insurance

20/00 **Water conservation; Efficient water supply; Efficient water use**
20/10 . Relating to general water supply, e.g. municipal or domestic water supply
20/102 . . Tanks
20/104 . . . for municipal applications
20/106 . . . for domestic applications
20/108 . . Rainwater harvesting
20/109 . . Obtaining drinking water from air humidity
20/112 . . Obtaining drinking water from open water
20/114 . . Water wells
20/116 . . . Vertical well filter pipes
20/118 . . . Borehole wells
20/119 . . . having horizontal or inclined filter pipes
20/12 . . Multipurpose dams or barriers
20/124 . . Water desalination
20/126 . . . characterized by the method
20/128 . . . . Evaporation methods, e.g. distillation
20/129 . . . . . using solar energy
20/131 . . . . Reverse-osmosis
20/132 . . . . Freezing
20/134 . . . . Electrodialysis
20/138 . . . powered by a renewable energy source
20/141 . . . . the source being wind power
20/142 . . . . the source being solar thermal or photovoltaics
20/144 . . . . the source being wave energy
20/146 . . Use of grey water
20/148 . . . using household water from wash basins or showers
20/15 . . Leakage reduction or detection in water storage or distribution
20/152 . . Water filtration
20/154 . . . of domestic water
20/156 . . . of municipal or industrial water
20/16 . . Water quality or standards enforcement
20/18 . . Solar- or wind-powered water pumping

20/20 . . Water pollution control technologies
20/202 . . . for households
20/204 . . . Keeping clear the surface of open water from oil spills
20/206 . . . Monitoring water for contaminating materials
20/208 . . Off-grid powered water treatment
20/211 . . . Solar-powered water purification
20/212 . . . Solar-powered wastewater sewage treatment, e.g. spray evaporation
20/214 . . . Water treatment at point of use for potable water
20/216 . . . Wastewater treatment tanks
20/218 . . Water metering with adaptation potential, e.g. aiming at water saving, leakage detection or avoidance, fraud or theft detection
20/22 . . Pricing strategies aiming to limit water consumption or spillage, e.g. progressive pricing, fraud detection or fostering water saving
20/30 . Relating to industrial water supply, e.g. used for cooling
20/302 . . Use of lower-grade water
20/304 . . Recirculation
20/40 . Water resources protection or enhancement
20/402 . . River restoration
20/404 . . Saltwater intrusion barriers
20/406 . . Aquifer recharge
20/408 . . Draining or infiltration of impermeable surfaces for groundwater enrichment
20/411 . . Water saving techniques at user level
20/412 . . . Reducing amount of water used by toilet flushing
20/414 . . . Water-saving for showers or bath tubs

30/00 Adapting or protecting infrastructure or their operation

30/10 . in energy generation or distribution
30/12 . . Weather forecasting for energy supply management
30/14 . . Extreme weather resilient electric power supply system, e.g. strengthening power lines or underground power cables
30/16 . . Flood resilient electric equipment
30/17 . . . Generators
30/18 . . . . Uninterruptible power supply [UPS] systems; Backup generators
30/19 . . . Cabinets or switch boards
30/20 . in buildings, dwellings or related infrastructures
30/21 . . Floating houses
30/22 . . Rotary buildings
30/23 . . Elevated buildings
30/24 . . Structural elements or technologies for improving thermal insulation
30/241 . . . Thermal insulation technologies with adaptation potential
30/242 . . . . Slab shaped vacuum insulation
30/243 . . . . Slab shaped aerogel insulation
30/244 . . . . characterized by the use of locally available building materials
30/245 . . . . . of vegetal origin, e.g. thatching or straw
30/246 . . . . . of animal origin, e.g. wool or feathers
30/247 . . . . . using indigenous Earth materials, e.g. clay or stone
30/248 . . . . . Recycled materials, e.g. made of used tires, bumpers or newspapers
30/249 . . . Glazing
30/25 . . . . Vacuum glazing
30/251 . . . . Aerogel glazing systems
30/252 . . . Wooden or plastic window or door frames with extra insulation
30/253 . . . Roofs with adaptation potential
30/254 . . . . Roof garden systems
30/255 . . . . Roof coverings with high solar reflectance
30/256 . . . Floors specially adapted for storing heat or cold
30/257 . . . Light dependent control systems for sun shading
30/259 . . Passive climatisation
30/26 . . . using air flow into the conditioned premises or facilities
30/261 . . . by improving the thermodynamic properties of the premises or facilities
30/27 . . Relating to heating, ventilation or air conditioning [HVAC] technologies
30/272 . . . using solar thermal energy
30/274 . . . using waste energy, e.g. from internal combustion engine
30/276 . . . of the sorption type
30/277 . . . . Absorption based systems
30/278 . . . . Adsorption based systems
30/30 . in transportation
30/31 . . Relating to road transportation
30/32 . . . Permeable parking lots
30/33 . . . Ground surface material
30/333 . . . . Warm-mix asphalt
30/336 . . . . Engineered cementitious composite [ECC]
30/34 . . Relating to waterways transportation
30/35 . . . Storm resilient vessels
30/36 . . . Active motion-dampening systems for ports
30/38 . . Relating to railways transportation
30/40 . Relating to water supply or wastewater treatment
30/45 . . Specially adapted pumping equipment e.g. for flood draining
30/50 . Resilient IT infrastructure
30/60 . Planning or developing urban green infrastructure
30/62 . . Integration of district energy or distributed or on-site energy generation, e.g. combined heat and power generation or solar energy, in city layout
30/64 . . for reducing heat island effects, e.g. by minimizing paved surfaces or by planting trees
30/68 . . Sloping ground terrains in public areas

40/00 Adaptation technologies in agriculture, forestry, livestock or agroalimentary production

40/10 . in agriculture
40/11 . . Specially adapted for crops
40/12 . . . Precision agriculture
40/13 . . . Abiotic stress
40/132 . . . . Plants tolerant to drought
40/135 . . . . Plants tolerant to salinity
40/138 . . . . Plants tolerant to heat
40/14 . . . with increased yield
40/143 . . . . using agrochemicals
40/146 . . . . Transgenic plants
40/15 . . . Fungal symbiosis
40/16 . . . Pest or insect control

40/162 . . . . Genetically modified [GMO] plants resistant to insects
40/164 . . . . Genetically modified [GMO] plants resistant to nematodes
40/166 . . . . Ecological pest control, i.e. using competitors or parasites against crop pests
40/168 . . . . Rainguards for rubber trees
40/17 . . . Aeroponics seed potato production
40/18 . . . Related to fertilizer management
40/19 . . . . Integrated nutrient management, e.g. appropriate fertilizer use
40/20 . . . . Sustainable fertilizers of biological origin
40/201 . . . . . Fertilizers made from animal corpses or parts thereof
40/202 . . . . . . from fish or from fish-wastes
40/203 . . . . . . from meat-wastes or from other wastes of animal origin, e.g. skins, hair, hoofs, feathers, blood
40/204 . . . . . . Apparatus for their manufacture
40/205 . . . . . Fertilizers from human or animal excrements, e.g. manure
40/206 . . . . . . Guano
40/207 . . . . . . from human fecal masses
40/208 . . . . . . Apparatus for the manufacture
40/209 . . . . . Fertilizers made from waste originating from industrial processing of raw material of agricultural origin or derived products thereof
40/21 . . . . . . Solid waste from mechanical processing of material, e.g. seed coats, olive pits, almond shells, fruit residue, rice hulls
40/211 . . . . . . Waste from chemical processing of material, e.g. distillation, roasting, cooking
40/212 . . . . Waste from biochemical processing of material, e.g. fermentation, breweries
40/213 . . . . . Fertilizers from waste water, sewage sludge, sea slime, ooze or similar masses
40/214 . . . . . Fertilizers from household or town refuse
40/215 . . . . . . Apparatus for the manufacture
40/216 . . . . . . Biological compost
40/22 . . Improving land use; Improving water use or availability; Controlling erosion
40/221 . . . Change land topography to improve water uptake or to reduce wind erosion
40/222 . . . . by subdividing large fields
40/223 . . . . Grass waterways maintenance
40/224 . . . . by roughening land surface
40/225 . . . . Windbreaks
40/226 . . . Floating agriculture
40/227 . . . Control of sand encroachment
40/228 . . . Wetland restoration or protection
40/229 . . . Biochar technologies
40/23 . . . Improving water use or availability; Controlling erosion
40/231 . . . . in rain-fed agriculture
40/232 . . . . . Soil conservation
40/233 . . . . . . Methods for working soils
40/234 . . . . . . Moss gardening
40/235 . . . . in irrigated agriculture
40/236 . . . . . Tillage conservation
40/237 . . . . . Efficient irrigation techniques, e.g. drip irrigation, sprinkler or spray irrigation
40/238 . . . . . . Irrigation information systems
40/239 . . . . . . Lining of canals with plastic films
40/24 . . . . . . Concentrate irrigation in periods of peak growth
40/241 . . . . . using brackish water
40/242 . . . Limiting land conversion or deforestation
40/243 . . . Afforestation or reforestation
40/25 . . Greenhouse technology
40/252 . . . Constructional details of greenhouses
40/254 . . . . Dismountable or portable greenhouses; Greenhouses with sliding roofs
40/256 . . . Lighting systems for greenhouses
40/258 . . . Shading devices for greenhouses
40/26 . . . . Lamellar or like blinds
40/262 . . . . Inflatable structures
40/264 . . . Devices or systems for heating, ventilating, regulating temperature, or watering
40/266 . . . . Collecting solar energy
40/268 . . . . Air-conditioning systems
40/27 . . . . Watering arrangements
40/272 . . . . . Efficient watering
40/274 . . . . Electric devices
40/28 . . specially adapted for farming
40/282 . . . Changing farming practices to conserve soil moisture or nutrients; Reduce run-off or control soil erosion
40/284 . . . . Mulch stubble or straw
40/286 . . . . Crops rotation
40/288 . . . . Avoiding mono-cropping; Crop diversification
40/29 . . . . using lower planting densities
40/292 . . . . Terracing
40/294 . . . . Agro-forestry, silviculture or mixed farming solutions
40/296 . . . . Bushfire prevention; Prescribed fire, i.e. controlled burning to reduce fuel buildup
40/298 . . . . Forest fire control
40/30 . . . Timing of farming operations
40/302 . . . . Advance sowing dates to offset moisture stress during warm periods
40/40 . . Management of saline soils
40/50 . . Evapotranspiration
40/51 . . specially adapted for storing agricultural or horticultural products
40/52 . . . Racks for drying purposes
40/53 . . . . Natural, e.g. solar drying
40/55 . . . Silos for storing seeds or grain
40/57 . . . Off-grid powered storage
40/58 . . . . using renewable energies
40/60 . Ecological corridors or buffer zones
40/70 . in livestock or poultry
40/72 . . Climate tolerant animal varieties, e.g. selective breeding
40/73 . . . Providing additional fodder for cattle during the dry season, e.g. by using fodder banks
40/74 . . . Optimising pasture management
40/75 . . Environmental control in livestock or poultry housing, e.g. of temperature or humidity
40/76 . . . using renewable energy
40/78 . . Livestock or poultry disease management, wherein the disease is affected by climate change

40/80 . in fisheries management
40/81 . . Aquaculture, i.e. culture of aquatic animals
40/812 . . . of fish
40/814 . . . . Prevention or treatment of fish diseases
40/816 . . . . Hatching, e.g. incubators
40/818 . . . . Alternative feeds for fish aquaculture
40/82 . . . of shellfish
40/822 . . . . of bivalves, e.g. oysters or mussels
40/824 . . . . of crustaceans, e.g. lobsters or shrimps
40/826 . . . Floating cultivation devices, e.g. rafts or floating fish-farms
40/828 . . . . Connecting or mooring devices therefor
40/83 . . . Artificial fishing banks or reefs
40/832 . . . . made of tyres
40/834 . . . . assembled of components
40/836 . . . . floating
40/838 . . . . of monolithic form, e.g. blocks
40/84 . . . . Arrangements for sinking or mooring thereof
40/845 . . . Feeding devices
40/86 . . Information Technologies [IT] supporting fishing
40/88 . . Seaweed farming; Management of sea grass beds
40/90 . in food processing or handling
40/92 . . in food processing
40/922 . . . Technologies for reducing water consumption
40/924 . . . using renewable energies
40/926 . . . . Cooking stoves or furnaces using solar heat
40/928 . . . . Cooking stoves using biomass
40/94 . . relating to food conservation
40/941 . . . using natural products
40/942 . . . . using natural sugars
40/943 . . . . using natural acids, e.g. vinegar, citric
40/944 . . . . using vegetal oils
40/945 . . . . Salt based conservation
40/946 . . . . . using brine
40/947 . . . Off-grid thermal processing
40/948 . . . . Sun drying
40/949 . . . . Food smoking
40/95 . . . . of edible seeds
40/96 . . relating to food management or storing
40/961 . . . Biopackaging, e.g. packaging containers made from renewable materials, bioplastics or biodegradable materials
40/962 . . . Wood Barrels
40/963 . . . Off-grid food refrigeration
40/964 . . . . Devices using naturally cold air or forced air convection
40/965 . . . . Devices using heat pumps
40/966 . . . . Powered by renewable energy sources
40/967 . . . . using waste heat, e.g. from an internal combustion engine
40/968 . . . . using ice

50/00 in human health protection

50/10 . against extreme weather events
50/12 . . Early warning systems for extreme weather events
50/14 . . Storm shelters or storm cellars
50/16 . . Landslide or mudflow monitoring or protecting systems
50/20 . Air quality improvement or preservation
50/21 . . Mechanical or electrostatic filtering in heating, ventilation or air conditioning [HVAC]
50/22 . . Air sterilisation or disinfection
50/23 . . Emission reduction or control
50/232 . . . Catalytic converters
50/2322 . . . . for exhaust after-treatment of internal combustion engines in vehicles
50/2324 . . . . . Three way catalysts, i.e. for controlled oxidation or reduction of exhaust gases, e.g. stoichiometric equivalence ratio
50/2325 . . . . . Selective Catalytic Reactors [SCR]
50/2326 . . . . for industrial applications
50/2327 . . . . . in chemical or petrochemical processes,
50/2328 . . . . . Burners or incinerators e.g. of waste or waste gases
50/234 . . . Physical or chemical processes, e.g. absorption, adsorption or filtering, characterised by the type of pollutant
50/2341 . . . . Carbon monoxide [CO]
50/2342 . . . . Carbon dioxide [CO_2]
50/2343 . . . . Lead [Pb]
50/2344 . . . . Nitrogen oxides [NO_x]
50/2345 . . . . . Nitrogen dioxide [NO_2]
50/2346 . . . . Ammonia [NH_3]
50/2347 . . . . Ground-level ozone
50/2348 . . . . Sulfur oxides [SO_x]
50/2349 . . . . . Sulfur dioxide [SO_2]
50/235 . . . . Volatile organic compounds [VOC]
50/2351 . . . . Atmospheric particulate matter [PM], e.g. carbon smoke microparticles, smog, aerosol particles, dust
50/2352 . . . . . the particulate matter coming from a source on-board a vehicle, e.g. removed by diesel particulate filters [DPF]
50/2353 . . . . . the particulate matter coming from stationary sources, e.g. power plants, steel mills, smelters, cement plants, refineries or incinerators
50/2354 . . . . . Cyclones
50/2355 . . . . . Filters
50/2356 . . . . . Scrubbers, spray chambers, pack towers
50/2357 . . . . . Electrostatic precipitators
50/2358 . . . Biological purification of waste gases
50/2359 . . . . with gas-solid contact
50/24 . . Pollution monitoring
50/241 . . . specially adapted for public areas
50/242 . . . characterized by the pollutant
50/243 . . . . Carbon monoxide [CO]
50/244 . . . . Carbon dioxide [CO_2]
50/245 . . . . Nitrogen Oxides [NO_x]
50/246 . . . . Ammonia [NH_3]
50/247 . . . . Ozone [O_3]
50/248 . . . . Sulfur oxides [SO_x]
50/249 . . . . Volatile Organic Compounds [VOC]
50/25 . . . . Atmospheric particulate matter [PM] e.g. carbon smoke microparticles, smog, aerosol particles, dust
50/30 . Against vector-borne diseases, e.g. mosquito-borne, fly-borne, tick-borne or waterborne diseases whose impact is exacerbated by climate change
50/31 . . Vector control
50/32 . . . using natural substances as pesticides or insecticides, for fighting the disease vector
50/321 . . . . characterised by the vector

50/322 . . . . . Ticks
50/323 . . . . . Insects
50/324 . . . . . . Stink bugs, bed bugs, kissing bugs or triatomine bugs
50/325 . . . . . . Chigoe or jigger fleas, cat fleas, moorhen fleas or rat fleas
50/326 . . . . . . Sand flies, black flies or Tsetse flies
50/327 . . . . . . Mosquitos
50/328 . . . . Aedes
50/329 . . . . Culex
50/33 . . . . Anopheles; Culiseta; Mansonia; Psorophora
50/331 . . . . . Snails of the genus Biomphalaria, Oncomelania or Bulinus
50/332 . . . . characterised by the natural substance
50/333 . . . . . Substances of botanical origin, e.g. essential oils, waxes, flowers, seeds, leafs or wood
50/334 . . . . . . Plant oils, i.e. vegetable or essential oils
50/335 . . . . Canola oil
50/336 . . . . Castor oil
50/337 . . . . Catnip oil, e.g. nepetalactone
50/338 . . . . Cedar oil
50/339 . . . . Cinnamon oil
50/34 . . . . Citronella oil
50/341 . . . . Coconut oil
50/342 . . . . Eucalyptus oil
50/343 . . . . Lemon oil
50/344 . . . . Geranium oil
50/345 . . . . Mustard oil
50/346 . . . . Neem oil, e.g. Azadirachtin
50/347 . . . . Orange oil
50/348 . . . . Soybean oil
50/349 . . . . . . Camphor
50/35 . . . . . . Garlic
50/351 . . . . . . Pepper
50/352 . . . . . . Rotenone
50/353 . . . . . . Tobacco or nicotine
50/354 . . . . . . Pyrethrum, e.g. Chrysanthemum cinerariifolium
50/356 . . . . . Fermented microbes, e.g. abermectins or spinosad
50/357 . . . . . Substances of mineral origin
50/358 . . . . . . Sulfur
50/359 . . . . . . Kaolin; Diatomaceous earth
50/36 . . . . . Natural soaps
50/37 . . . Means for catching or killing the vector, e.g. traps or nets
50/371 . . . . the vector being mosquitos
50/372 . . . . . Impregnated bed nets; Long-lasting insecticidal bed nets [LLINs]
50/373 . . . . the vector being flies
50/374 . . . . the vector being stink bugs, kissing bugs, triatomine bugs or fleas
50/375 . . . . the vector being ticks
50/38 . . Medical treatment of vector-borne diseases characterised by the agent
50/381 . . . the vector-borne disease being caused by a virus
50/382 . . . . of the genus Alphavirus, i.e. Chikungunya
50/383 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/384 . . . . of the genus Flavivirus
50/385 . . . . . the disease being Dengue
50/386 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/387 . . . . . the disease being Yellow fever, i.e. Ochropyra
50/388 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/389 . . . . . the disease being Japanese encephalitis
50/39 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/391 . . . . . the disease being Zika
50/392 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/393 . . . . . the disease being West Nile fever
50/394 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/395 . . . . . the disease being Tick-borne encephalitis [TBE]
50/396 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/397 . . . . of the genus Nairovirus, i.e. Congo-Crimean haemorrhagic fever or Rift valley fever or Hantaan haemorrhagic fever
50/398 . . . the vector-borne disease being caused by a bacteria
50/399 . . . . of the genus Borrellia
50/40 . . . . . the bacteria being Borrelia crocidurae, Borrelia duttoni, Borrelia hermsii, Borrelia hispanica, Borrelia miyamotoi, Borrelia parkeri or Borrelia turicatae, i.e. relapsing fever or borreliosis
50/401 . . . . . the bacteria being Borrelia burgdorferi, i.e. Lyme disease or Lyme borreliosis
50/402 . . . . of the genus Rickettsia, Orientia, Ehrlichia, Neorickettsia, Neoehrlichia or Anaplasma, i.e. Rickettsial diseases, e.g. spotted fever
50/403 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/404 . . . . . the bacteria being Francisella tularensis, i.e. Tularaemia
50/405 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/406 . . . . . the bacteria being Yersinia pestis, i.e. Plague
50/407 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/408 . . . the vector-borne disease being caused by a protozoa
50/409 . . . . of the genus Leishmania i.e. Leishmaniasis, Sand-fly fever, phlebotomus fever, kala-azar, black fever or Dumdum fever
50/41 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera

50/411 . . . . of the genus Plasmodium, i.e. Malaria
50/412 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/413 . . . . of the genus Trypanosoma
50/414 . . . . . the protozoa being Trypanosoma cruzi i.e. Chagas disease or American trypanosomiasis
50/415 . . . . . the protozoa being Trypanosoma brucei gambiense or Trypanosoma brucei rhodesiense, i.e. Human African trypanosomiasis or sleeping sickness
50/416 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/417 . . . the vector-borne disease being caused by a helminth, i.e. Helmanthiasis
50/418 . . . . of the phylum nematoda
50/419 . . . . . the nematode being Dracunculus medinensis or Guinea worm, i.e. Dracunculiasis
50/42 . . . . . the nematode being a filarial worm
50/421 . . . . . the filarial worm being Wuchereria bancrofti, brugia malayi or Brugia timor, i.e. Lymphatic filariasis
50/422 . . . . . the filarial worm being Onchocerca volvulus, i.e. Onchocerciasis or river blindness
50/423 . . . . the helminth being a trematode flatworm of the genus Schistosoma, i.e. Schistosomiasis or bilharziasis
50/45 . . Means for preventing water-borne diseases
50/451 . . . Genetic or molecular screening of pathogens
50/452 . . . Non water-based sanitation
50/453 . . . . Pit latrines
50/454 . . . . Dry closets e.g. incinerator closets
50/455 . . . . . having means for adding powder, e.g. earth
50/456 . . . . Chemical toilets
50/46 . . Medical treatment of waterborne diseases characterized by the agent
50/462 . . . The waterborne disease being caused by a virus
50/463 . . . . the virus being the Hepatitis A virus [HAV]
50/464 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/465 . . . . the virus being the poliovirus, i.e. Poliomyelitis or Polio
50/466 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/467 . . . . of the genus Polyomavirus: JC virus or BK virus, i.e. Polyomavirus infection
50/468 . . . The waterborne disease being caused by a bacteria
50/469 . . . . the bacteria being clostridium botulinum, i.e. Botulism
50/47 . . . . the bacteria being Campylobacter jejuni, i.e. Campylobacteriosis
50/471 . . . . the bacteria being Vibrio cholerae, i.e. Cholera
50/472 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/473 . . . . the bacteria being Escherichia coli, i.e. E. coli Infection
50/474 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/475 . . . . of the genus Shigella, i.e. Dysentery
50/476 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/478 . . . . of the genus Legionella, i.e. Legionellosis or Legionnaires' disease
50/479 . . . . of the genus Leptospira, i.e. Leptospirosis
50/48 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/481 . . . . of the genus Salmonella, i.e. Salmonellosis
50/482 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/483 . . . . . the bacteria being Salmonella typhi, i.e. Typhoid fever
50/484 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/485 . . . The waterborne disease being caused by a protozoa
50/486 . . . . the protozoan being Entamoeba histolytica, i.e. Amoebiasis
50/487 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/488 . . . . the protozoan being Cryptosporidium parvum, i.e. Cryptosporidiosis
50/489 . . . . . the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera
50/49 . . . . the protozoan being Cyclospora cayetanensis, i.e. Cyclosporiasis
50/491 . . . . the protozoan being Giardia lamblia or Giardia intestinalis, i.e. Giardiasis
50/492 . . . . of the phylum Microsporidia, i.e. Microsporidiosis
50/50 . . Chemical or biological analysis of biological material for identifying the disease, e.g. blood or urine testing, rapid diagnostic tests [RTDs] or immunological testing
50/51 . . . the disease being Chikungunya fever
50/52 . . . the disease being Cholera
50/53 . . . the disease being Dengue fever
50/54 . . . the disease being Hepatitis A
50/55 . . . the disease being Leishmaniasis, Sand-fly fever, phlebotomus fever, kala-azar, black fever or Dumdum fever
50/56 . . . the disease being Leptospirosis
50/57 . . . the disease being Lyme disease or Lyme borreliosis
50/58 . . . the disease being Malaria
50/59 . . . the disease being Typhus or typhoid fever
50/60 . . . the disease being Yellow fever or Ochropyra

90/00 Technologies having an indirect contribution to adaptation to climate change

90/10 . Information and communication technologies [ICT] supporting adaptation to climate change.

90/12 . . Specially adapted for meteorology, e.g. weather forecasting, climate modelling
90/13 . . . Monitoring or forecasting for establishing the amount of global warming
90/14 . . . Real-time meteorological measuring
90/15 . . . Weather or climate specific geographic information systems [GIS], databases or models
90/16 . . . Climate simulation; Climate scenario development
90/17 . . . Weather surveillance systems using the reflection or reradiation of electromagnetic waves
90/18 . . . . Radar-based
90/19 . . . . Based on light detection and ranging [LIDAR] systems
90/20 . . specially adapted for the handling or processing of medical or healthcare data, relating to climate change
90/22 . . . for administrative, organizational or management aspects influenced by climate change adaptation
90/24 . . . for detecting, monitoring or modelling of medical or healthcare patterns in geographical or climatic regions, e.g. epidemics or pandemics
90/26 . . . for diagnosis or treatment, for medical simulation or for handling medical devices
90/30 . Assessment of water resources
90/32 . . based on topography, e.g. mapping, location, large scale investigation of water resources or satellite or aerial imagery
90/34 . . Hydrogeology; Hydrogeophysics
90/342 . . . by measuring electric resistivity
90/344 . . . by measuring magnetic field strength
90/36 . . Seismic methods or vibration analysis
90/40 . Monitoring or fighting invasive species