

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.

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| 10/00 | at coastal zones; at river basins | 30/00 | Adapting or protecting infrastructure or their operation |
| 10/11 | . Hard structures, e.g. dams, dykes or breakwaters | | |
| 10/23 | . Dune restoration or creation; Cliff stabilisation | 30/14 | . Extreme weather resilient electric power supply systems, e.g. strengthening power lines or underground power cables |
| 10/26 | . Artificial reefs or seaweed; Restoration or protection of coral reefs | | |
| 10/30 | . Flood prevention; Flood or storm water management, e.g. using flood barriers | 30/24 | . Structural elements or technologies for improving thermal insulation |
| 10/40 | . Controlling or monitoring, e.g. of flood or hurricane; Forecasting, e.g. risk assessment or mapping | 30/242 | . . Slab shaped vacuum insulation |
| | | 30/244 | . . using natural or recycled building materials, e.g. straw, wool, clay or used tires |
| | | 30/249 | . . Glazing, e.g. vacuum glazing |
| 20/00 | Water conservation; Efficient water supply; Efficient water use | 30/254 | . . Roof garden systems; Roof coverings with high solar reflectance |
| 20/108 | . Rainwater harvesting | 30/27 | . Relating to heating, ventilation or air conditioning [HVAC] technologies |
| 20/124 | . Water desalination | 30/272 | . . Solar heating or cooling |
| 20/131 | . . Reverse-osmosis | 30/274 | . . using waste energy, e.g. from internal combustion engine |
| 20/138 | . . using renewable energy | | |
| 20/141 | . . . Wind power | 30/30 | . in transportation, e.g. on roads, waterways or railways |
| 20/142 | . . . Solar thermal; Photovoltaics | 30/60 | . Planning or developing urban green infrastructure |
| 20/144 | . . . Wave energy | | |
| 20/146 | . using grey water | 40/00 | Adaptation technologies in agriculture, forestry, livestock or agroalimentary production |
| 20/148 | . . using household water from wash basins or showers | 40/10 | . in agriculture |
| 20/15 | . Leakage reduction or detection in water storage or distribution | 40/13 | . . Abiotic stress |
| 20/152 | . Water filtration | 40/132 | . . . Plants tolerant to drought |
| 20/20 | . Controlling water pollution; Waste water treatment | 40/135 | . . . Plants tolerant to salinity |
| 20/204 | . . Keeping clear the surface of open water from oil spills | 40/138 | . . . Plants tolerant to heat |
| 20/208 | . . Off-grid powered water treatment | 40/146 | . . Genetically Modified [GMO] plants, e.g. transgenic plants |
| 20/211 | . . . Solar-powered water purification | 40/20 | . . Fertilizers of biological origin, e.g. guano or fertilizers made from animal corpses |
| 20/212 | . . . Solar-powered wastewater sewage treatment, e.g. spray evaporation | 40/22 | . . Improving land use; Improving water use or availability; Controlling erosion |
| 20/30 | . Relating to industrial water supply, e.g. used for cooling | 40/25 | . . Greenhouse technology, e.g. cooling systems therefor |
| 20/40 | . Protecting water resources | 40/28 | . . specially adapted for farming |
| 20/402 | . . River restoration | 40/51 | . . specially adapted for storing agricultural or horticultural products |
| 20/404 | . . Saltwater intrusion barriers | | |
| 20/406 | . . Aquifer recharge | 40/58 | . . . using renewable energies |
| 20/411 | . . Water saving techniques at user level | 40/60 | . Ecological corridors or buffer zones |

- 40/70 . in livestock or poultry
- 40/76 . . using renewable energy
- 40/80 . in fisheries management
- 40/81 . . Aquaculture, e.g. of fish
- 40/818 . . . Alternative feeds for fish, e.g. in aquacultures
- 40/90 . in food processing or handling, e.g. food conservation
- 40/924 . . using renewable energies
- 40/926 . . . Cooking stoves or furnaces using solar heat
- 40/928 . . . Cooking stoves using biomass
- 40/963 . . Off-grid food refrigeration
- 40/966 . . . Powered by renewable energy sources
- 50/00 in human health protection, e.g. against extreme weather**
- 50/20 . Air quality improvement or preservation, e.g. vehicle emission control or emission reduction by using catalytic converters
- 50/2351 . . 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
- 90/00 Technologies having an indirect contribution to adaptation to climate change**
- 90/10 . Information and communication technologies [ICT] supporting adaptation to climate change, e.g. for weather forecasting or climate simulation
- 90/30 . Assessment of water resources
- 90/40 . Monitoring or fighting invasive species