

CPC COOPERATIVE PATENT CLASSIFICATION

Y02W CLIMATE CHANGE MITIGATION TECHNOLOGIES RELATED TO WASTEWATER TREATMENT OR WASTE MANAGEMENT

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| 10/00 | Technologies for wastewater treatment (fuel from waste Y02E 50/30; methane from waste for energy generation Y02E 50/34) | 30/54 | . . Metal recycling |
| | | 30/541 | . . . Manufacture of articles from waste metal particles |
| 10/10 | . Biological treatment of water, waste water, or sewage | 30/542 | . . . Recovery or treatment of by-products during pig-iron manufacturing (use of waste of metallurgical processes as filler for mortars or concrete Y02W 30/94) |
| 10/12 | . . Anaerobic processes with biogas recycling, capture or flaring | | |
| 10/15 | . . Aerobic processes | 30/543 | Treatment of liquid slag |
| 10/18 | . . Constructed wetlands | 30/56 | . . Disassembly of vehicles for recovery of salvageable parts |
| 10/20 | . Sludge processing | | |
| 10/23 | . . Anaerobic processes with biogas recycling, capture or flaring | 30/58 | . . Construction or demolition [C&D] waste |
| | | 30/60 | . . Glass recycling |
| 10/27 | . . Aerobic processes | 30/61 | . . . Glass containers reutilization |
| 10/30 | . Wastewater or sewage treatment systems with climate change mitigation effect characterised by the origin of the energy | 30/62 | . . Plastics recycling |
| | | 30/622 | . . . Separating plastics from other materials |
| 10/33 | . . using wind energy | 30/625 | . . . Disintegrating plastics |
| 10/37 | . . using solar energy | 30/628 | . . . Plastic containers reutilization |
| 10/40 | . Valorisation of by-products of wastewater, sewage or sludge processing | 30/64 | . . Paper recycling |
| 10/45 | . . Obtention of bio-polymers | 30/642 | . . . Dry methods for dividing waste paper into small particles |
| | | 30/644 | by cutting actions |
| 30/00 | Technologies for solid waste management (heat utilisation in combustion or incineration of waste Y02E 20/12; fuel from waste Y02E 50/30; methane from waste for energy generation Y02E 50/34) | 30/646 | . . . Wet methods for dividing waste paper into small particles |
| | | 30/648 | . . . Recovery of cellulose by working-up waste paper |
| 30/10 | . Related to waste collection, transportation, transfer or storage, e.g. segregated refuse collecting, electric or hybrid propulsion | 30/66 | . . Disintegrating fibre-containing textile articles to obtain fibres for re-use |
| | | 30/663 | . . . Opening, unravelling or teasing ropes or like fibrous strands to obtain fibres for re-use |
| 30/20 | . Related to waste processing or separation (separation techniques Y02W 30/522 ; separating plastic from other materials Y02W 30/622 ; removing refrigerant Y02W 30/825) | 30/667 | . . . Opening rags to obtain fibres for re-use |
| | | 30/68 | . . Rubber waste recycling |
| | | 30/683 | . . . Utilisation of recycled rubber in footwear |
| 30/30 | . Landfill technologies aiming to mitigate methane emissions | 30/687 | . . . Utilisation of recycled tires for hydraulic engineering |
| 30/32 | . . Sealing or covering | 30/70 | . . Recovery of polymers other than plastics or rubbers |
| 30/35 | . . Landfill gas capture | | |
| 30/38 | . . Landfill gas flaring | 30/701 | . . . without chemical reactions |
| 30/40 | . Bio-organic fraction processing; Production of fertilisers from the organic fraction of waste or refuse | 30/702 | . . . by chemically breaking down the molecular chains of polymers or breaking of crosslinks, e.g. devulcanisation |
| | | | by dry-heat treatment only |
| 30/43 | . . Aerobic fermentation, e.g. composting | 30/703 | by treatment with steam or water |
| 30/47 | . . Anaerobic fermentation, e.g. methanation combined with capture, recycling or flaring | 30/704 | by treatment with inorganic material |
| | | 30/705 | by treatment with organic material |
| 30/50 | . Reuse, recycling or recovery technologies | 30/706 | by treatment with organic material |
| 30/52 | . . Dismantling or mechanical processing of waste for the recovery of materials during separation, disassembly, pre-processing or upgrading | 30/72 | . . Recovery of luminescent materials |
| | | 30/74 | . . Recovery of fats, fatty oils, fatty acids or other fatty substances, e.g. lanolin or waxes |
| 30/521 | . . . Crushing or shredding | 30/76 | . . Recovery of tanning agents from leather |
| 30/522 | . . . Separation techniques | 30/78 | . . Recycling of wood or furniture waste (production of fertilisers from the organic fraction of waste or refuse Y02W 30/40) |
| 30/523 | Sieving or screening | | |
| 30/524 | based on density or gravimetry | | |
| 30/525 | using wind or air currents | 30/80 | . . Packaging reuse or recycling (bio-packaging Y02W 90/10) |
| 30/526 | Magnetic separation | | |
| 30/527 | Electrostatic separation | 30/801 | . . . Technologies specific to multilayer packaging |
| 30/528 | inducing eddy-currents | 30/802 | . . . Packaging eco-design or eco-conception |

- 30/803 Packaging containers made of recycled materials
- 30/804 the recycled material being paper
- 30/805 Packaging containers especially suited for or with means facilitating recycling
- 30/806 Packaging containers consisting of two or more parts made of the same material
- 30/807 Packaging containers especially suited for or with means facilitating reusability
- 30/82 . . Recycling of waste of electrical or electronic equipment [WEEE]
- 30/821 . . . Recovery of metals from electric or electronic cables or wires scrap ([metal recycling Y02W 30/54](#))
- 30/822 . . . Recovery of materials from electronic scrap, e.g. printed circuit board scrap
- 30/823 . . . Technologies specific to particular WEEE categories
- 30/824 Refrigerators
- 30/825 Removing refrigerant
- 30/826 Information technology [IT] or telecommunication equipment
- 30/827 Consumers equipment or photovoltaic panels
- 30/828 Lighting equipment or discharge tubes
- 30/829 Lighting devices made of waste or recyclable material
- 30/84 . . Recycling of batteries
- 30/86 . . Recycling of fuel cells
- 30/88 . . Nuclear fuel reprocessing
- 30/881 . . . Apparatus or processes for dismantling nuclear fuel, e.g. before reprocessing
- 30/882 . . . Reprocessing of irradiated solid fuel
- 30/883 Aqueous processes, e.g. based on organic extraction means or regeneration thereof
- 30/884 Non-aqueous processes
- 30/90 . . Reuse, recycling or recovery technologies cross-cutting to different types of waste
- 30/91 . . . Use of waste materials as fillers for mortars or concrete
- 30/92 Combustion residues, e.g. purification products of smoke, fumes or exhaust gases
- 30/93 from quarries, mining or the like
- 30/94 from metallurgical processes
- 30/95 from building or ceramic industry
- 30/96 organic, e.g. rubber, polystyrene
- 30/97 Vegetable refuse, e.g. rice husks, maize-ear refuse; cellulosic materials, e.g. paper
- 90/00 Enabling technologies or technologies with a potential or indirect contribution to greenhouse gas [GHG] emissions mitigation**
- 90/10 . Bio-packaging
- 90/11 . . Packing containers made from renewable resources
- 90/12 . . . Packing containers made of bio-plastics
- 90/13 . . . Biodegradable packaging containers
- 90/14 Compostable packaging containers
- 90/20 . Computer systems or methods specially adapted for waste reduction or recycling of materials or goods