

# 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)

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

<b>10/00</b>	<b>Technologies for wastewater treatment</b> ( <a href="#">fuel from waste Y02E 50/30</a> ; <a href="#">methane from waste for energy generation Y02E 50/34</a> )	30/50	. Reuse, recycling or recovery technologies
		30/52	. . Dismantling or mechanical processing of waste for the recovery of materials during separation, disassembly, pre-processing or upgrading
10/10	. Biological treatment of water, waste water, or sewage	30/521	. . . Crushing or shredding
10/12	. . Anaerobic processes with biogas recycling, capture or flaring	30/522	. . . Separation techniques
		30/523	. . . . Sieving or screening
10/15	. . Aerobic processes	30/524	. . . . based on density or gravimetry
10/18	. . Constructed wetlands	30/525	. . . . using wind or air currents
10/20	. Sludge processing	30/526	. . . . Magnetic separation
10/23	. . Anaerobic processes with biogas recycling, capture or flaring	30/527	. . . . Electrostatic separation
		30/528	. . . . inducing eddy-currents
10/27	. . Aerobic processes	30/54	. . Metal recycling
10/30	. Wastewater or sewage treatment systems with climate change mitigation effect characterised by the origin of the energy	30/541	. . . Manufacture of articles from waste metal particles
		30/542	. . . Recovery or treatment of by-products during pig-iron manufacturing ( <a href="#">use of waste of metallurgical processes as filler for mortars or concrete Y02W 30/94</a> )
10/33	. . using wind energy		
10/37	. . using solar energy		
10/40	. Valorisation of by-products of wastewater, sewage or sludge processing	30/543	. . . . Treatment of liquid slag
10/45	. . Obtention of bio-polymers	30/56	. . Disassembly of vehicles for recovery of salvageable parts
<b>30/00</b>	<b>Technologies for solid waste management</b> ( <a href="#">heat utilisation in combustion or incineration of waste Y02E 20/12</a> ; <a href="#">fuel from waste Y02E 50/30</a> ; <a href="#">methane from waste for energy generation Y02E 50/34</a> )	30/58	. . Construction or demolition [C&D] waste
		30/60	. . Glass recycling
		30/61	. . . Glass containers reutilization
30/10	. Related to waste collection, transportation, transfer or storage, e.g. segregated refuse collecting, electric or hybrid propulsion	30/62	. . Plastics recycling
		30/622	. . . Separating plastics from other materials
		30/625	. . . Disintegrating plastics
30/20	. Related to waste processing or separation ( <a href="#">separation techniques Y02W 30/522</a> ; <a href="#">separating plastic from other materials Y02W 30/622</a> ; <a href="#">removing refrigerant Y02W 30/825</a> )	30/628	. . . Plastic containers reutilization
		30/64	. . Paper recycling
		30/642	. . . Dry methods for dividing waste paper into small particles
			. . . . by cutting actions
30/30	. Landfill technologies aiming to mitigate methane emissions	30/644	. . . . by cutting actions
		30/646	. . . Wet methods for dividing waste paper into small particles
30/32	. . Sealing or covering		
30/35	. . Landfill gas capture	30/648	. . . Recovery of cellulose by working-up waste paper
30/38	. . Landfill gas flaring		
30/40	. Bio-organic fraction processing; Production of fertilisers from the organic fraction of waste or refuse	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
30/43	. . Aerobic fermentation, e.g. composting		
30/47	. . Anaerobic fermentation, e.g. methanation combined with capture, recycling or flaring	30/667	. . . Opening rags to obtain fibres for re-use
		30/68	. . Rubber waste recycling

30/683	. . . Utilisation of recycled rubber in footwear	30/92	. . . . Combustion residues, e.g. purification products of smoke, fumes or exhaust gases
30/687	. . . Utilisation of recycled tires for hydraulic engineering	30/93	. . . . from quarries, mining or the like
30/70	. . Recovery of polymers other than plastics or rubbers	30/94	. . . . from metallurgical processes
30/701	. . . without chemical reactions	30/95	. . . . from building or ceramic industry
30/702	. . . by chemically breaking down the molecular chains of polymers or breaking of crosslinks, e.g. devulcanisation	30/96	. . . . organic, e.g. rubber, polystyrene
30/703	. . . . by dry-heat treatment only	30/97	. . . . . Vegetable refuse, e.g. rice husks, maize-ear refuse; cellulosic materials, e.g. paper
30/704	. . . . by treatment with steam or water		
30/705	. . . . by treatment with inorganic material	<b>90/00</b>	<b>Enabling technologies or technologies with a potential or indirect contribution to greenhouse gas [GHG] emissions mitigation</b>
30/706	. . . . by treatment with organic material	90/10	. Bio-packaging
30/72	. . Recovery of luminescent materials	90/11	. . Packing containers made from renewable resources
30/74	. . Recovery of fats, fatty oils, fatty acids or other fatty substances, e.g. lanolin or waxes	90/12	. . . Packing containers made of bio-plastics
30/76	. . Recovery of tanning agents from leather	90/13	. . . Biodegradable packaging containers
30/78	. . Recycling of wood or furniture waste ( <a href="#">production of fertilisers from the organic fraction of waste or refuse Y02W 30/40</a> )	90/14	. . . . Compostable packaging containers
30/80	. . Packaging reuse or recycling ( <a href="#">bio-packaging Y02W 90/10</a> )	90/20	. Computer systems or methods specially adapted for waste reduction or recycling of materials or goods
30/801	. . . Technologies specific to multilayer packaging		
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 ( <a href="#">metal recycling Y02W 30/54</a> )		
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		