

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 91

DATE: MAY 1, 2015

PROJECT Y02W ESTABLISHED

The following classification changes will be effected by this Notice of Changes:

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
Symbols newly created:	Y02W	(subclass)
	Y02W	10/10, 10/12, 10/15, 10/18, 10/20, 10/23, 10/27, 10/30, 10/33, 10/37, 10/40, 10/45, 30/00, 30/10, 30/20, 30/30, 30/32, 30/35, 30/38, 30/40, 30/52, 30/521, 30/522, 30/523, 30/524, 30/525, 30/526, 30/527, 30/528, 30/54, 30/541, 30/542, 30/543, 30/56, 30/58, 30/60, 30/61, 30/62, 30/622, 30/625, 30/628, 30/64, 30/642, 30/644, 30/646, 30/648, 30/66, 30/663, 30/667, 30/68, 30/683, 30/687, 30/70, 30/701, 30/702, 30/703, 30/704, 30/705, 30/706, 30/72, 30/74, 30/76, 30/78, 30/80, 30/801, 30/802, 30/803, 30/804, 30/805, 30/806, 30/807, 30/82, 30/821, 30/822, 30/823, 30/824, 30/825, 30/826, 30/827, 30/828, 30/829, 30/84, 30/86, 30/88, 30/881, 30/882, 30/883, 30/884, 30/90, 30/91, 30/92, 30/93, 30/94, 30/95, 30/96, 30/97, 90/00, 90/10, 90/11, 90/12, 90/13, 90/14, 90/20

No other subclasses/groups are impacted by this Notice of Changes.

[Remove if not used]

This Notice of Changes includes the following *[Check the ones included]:*

1. CLASSIFICATION SCHEME CHANGES
 - A. New, Modified or Deleted Group(s)
 - B. New, Modified or Deleted Warning Notice(s)
 - C. New, Modified or Deleted Note(s)
 - D. New, Modified or Deleted Guidance Heading(s)

CPC NOTICE OF CHANGES 91

DATE: MAY 1, 2015

PROJECT Y02W ESTABLISHED

2. DEFINITIONS (New or Modified)
 - A. DEFINITIONS (Full definition template)
 - B. DEFINITIONS (Definitions Quick Fix)
3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CROSS-REFERENCE LIST (CRL)

CPC NOTICE OF CHANGES 91

DATE: MAY 1, 2015

PROJECT Y02W ESTABLISHED

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

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

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	Y02W	0	CLIMATE CHANGE MITIGATION TECHNOLOGIES RELATED TO WASTEWATER TREATMENT OR WASTE MANAGEMENT	
N	Y02W 10/00	0	Technologies for wastewater treatment (fuel from waste Y02E 50/30; methane from waste for energy generation Y02E 50/34)	
N	Y02W 10/10	1	Biological treatment of water, waste water, or sewage	
N	Y02W 10/12	2	Anaerobic processes with biogas recycling, capture or flaring	
N	Y02W 10/15	2	Aerobic processes	
N	Y02W 10/18	2	Constructed wetlands	
N	Y02W 10/20	1	Sludge processing	
N	Y02W 10/23	2	Anaerobic processes with biogas recycling, capture or flaring	
N	Y02W 10/27	2	Aerobic processes	
N	Y02W 10/30	1	Wastewater or sewage treatment systems with climate change mitigation effect characterised by the origin of the energy	
N	Y02W 10/33	2	using wind energy	
N	Y02W 10/37	2	using solar energy	
N	Y02W 10/40	1	Valorisation of by-products of wastewater, sewage or sludge processing	
N	Y02W 10/45	2	Obtention of bio-polymers	
N	Y02W 30/00	0	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)	
N	Y02W 30/10	1	Related to waste collection, transportation, transfer or storage e.g. segregated refuse collecting, electric or hybrid propulsion	
N	Y02W 30/20	1	Related to waste processing or separation (separation techniques Y02W 30/522; separating plastic from other materials Y02W 30/622; removing refrigerant Y02W 30/825)	

CPC NOTICE OF CHANGES 91

DATE: MAY 1, 2015

PROJECT Y02W ESTABLISHED

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N	Y02W 30/30	1	Landfill technologies aiming to mitigate methane emissions	
N	Y02W 30/32	2	Sealing or covering	
N	Y02W 30/35	2	Landfill gas capture	
N	Y02W 30/38	2	Landfill gas flaring	
N	Y02W 30/40	1	Bio-organic fraction processing; Production of fertilisers from the organic fraction of waste or refuse	
N	Y02W 30/43	2	Aerobic fermentation, e.g. composting	
N	Y02W 30/47	2	Anaerobic fermentation, e.g. methanation combined with capture, recycling or flaring	
N	Y02W 30/50	1	Reuse, recycling or recovery technologies	
N	Y02W 30/52	2	Dismantling or mechanical processing of waste for the recovery of materials during separation, disassembly, pre-processing or upgrading	
N	Y02W 30/521	3	Crushing or shredding	
N	Y02W 30/522	3	Separation techniques	
N	Y02W 30/523	4	Sieving or screening	
N	Y02W 30/524	4	based on density or gravimetry	
N	Y02W 30/525	4	using wind or air currents	
N	Y02W 30/526	4	Magnetic separation	
N	Y02W 30/527	4	Electrostatic separation	
N	Y02W 30/528	4	inducing eddy-currents	
N	Y02W 30/54	2	Metal recycling	
N	Y02W 30/541	3	Manufacture of articles from waste metal particles	
N	Y02W 30/542	3	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)	
N	Y02W 30/543	4	Treatment of liquid slag	
N	Y02W 30/56	2	Disassembly of vehicles for recovery of salvageable parts	
N	Y02W 30/58	2	Construction or demolition [C&D] waste	
N	Y02W 30/60	2	Glass recycling	
N	Y02W 30/61	3	Glass containers reutilization	
N	Y02W 30/62	2	Plastics recycling	
N	Y02W 30/622	3	Separating plastics from other materials	
N	Y02W 30/625	3	Disintegrating plastics	
N	Y02W 30/628	3	Plastic containers reutilization	
N	Y02W 30/64	2	Paper recycling	
N	Y02W 30/642	3	Dry methods for dividing waste paper into small particles	
N	Y02W 30/644	4	by cutting actions	
N	Y02W 30/646	3	Wet methods for dividing waste paper into small particles	

CPC NOTICE OF CHANGES 91

DATE: MAY 1, 2015

PROJECT Y02W ESTABLISHED

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
N	Y02W 30/648	3	Recovery of cellulose by working-up waste paper	
N	Y02W 30/66	2	Disintegrating fibre-containing textile articles to obtain fibres for re-use	
N	Y02W 30/663	3	Opening, unravelling or teasing ropes or like fibrous strands to obtain fibres for re-use	
N	Y02W 30/667	3	Opening rags to obtain fibres for re-use	
N	Y02W 30/68	2	Rubber waste recycling	
N	Y02W 30/683	3	Utilisation of recycled rubber in footwear	
N	Y02W 30/687	3	Utilisation of recycled tires for hydraulic engineering	
N	Y02W 30/70	2	Recovery of polymers other than plastics or rubbers	
N	Y02W 30/701	3	without chemical reactions	
N	Y02W 30/702	3	by chemically breaking down the molecular chains of polymers or breaking of crosslinks, e.g. devulcanisation	
N	Y02W 30/703	4	by dry-heat treatment only	
N	Y02W 30/704	4	by treatment with steam or water	
N	Y02W 30/705	4	by treatment with inorganic material	
N	Y02W 30/706	4	by treatment with organic material	
N	Y02W 30/72	2	Recovery of luminescent materials	
N	Y02W 30/74	2	Recovery of fats, fatty oils, fatty acids or other fatty substances, e.g. lanolin or waxes	
N	Y02W 30/76	2	Recovery of tanning agents from leather	
N	Y02W 30/78	2	Recycling of wood or furniture waste (production of fertilisers from the organic fraction of waste or refuse Y02W30/40)	
N	Y02W 30/80	2	Packaging reuse or recycling (bio-packaging Y02W 90/10)	
N	Y02W 30/801	3	Technologies specific to multilayer packaging	
N	Y02W 30/802	3	Packaging eco-design or eco-conception	
N	Y02W 30/803	4	Packaging containers made of recycled materials	
N	Y02W 30/804	5	the recycled material being paper	
N	Y02W 30/805	4	Packaging containers especially suited for or with means facilitating recycling	
N	Y02W 30/806	5	Packaging containers consisting of two or more parts made of the same material	
N	Y02W 30/807	4	Packaging containers especially suited for or with means facilitating reusability	
N	Y02W 30/82	2	Recycling of waste of electrical or electronic equipment [WEEE]	
N	Y02W 30/821	3	Recovery of metals from electric or electronic cables or wires scrap (metal recycling Y02W 30/54)	
N	Y02W 30/822	3	Recovery of materials from electronic scrap,	

CPC NOTICE OF CHANGES 91

DATE: MAY 1, 2015

PROJECT Y02W ESTABLISHED

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			e.g. printed circuit board scrap	
N	Y02W 30/823	3	Technologies specific to particular WEEE categories	
N	Y02W 30/824	4	Refrigerators	
N	Y02W 30/825	5	Removing refrigerant	
N	Y02W 30/826	4	Information technology [IT] or telecommunication equipment	
N	Y02W 30/827	4	Consumers equipment or photovoltaic panels	
N	Y02W 30/828	4	Lighting equipment or discharge tubes	
N	Y02W 30/829	5	Lighting devices made of waste or recyclable material	
N	Y02W 30/84	2	Recycling of batteries	
N	Y02W 30/86	2	Recycling of fuel cells	
N	Y02W 30/88	2	Nuclear fuel reprocessing	
N	Y02W 30/881	3	Apparatus or processes for dismantling nuclear fuel, e.g. before reprocessing	
N	Y02W 30/882	3	Reprocessing of irradiated solid fuel	
N	Y02W 30/883	4	Aqueous processes, e.g. based on organic extraction means or regeneration thereof	
N	Y02W 30/884	4	Non-aqueous processes	
N	Y02W 30/90	2	Reuse, recycling or recovery technologies cross-cutting to different types of waste	
N	Y02W 30/91	3	Use of waste materials as fillers for mortars or concrete	
N	Y02W 30/92	4	Combustion residues, e.g. purification products of smoke, fumes or exhaust gases	
N	Y02W 30/93	4	from quarries, mining or the like	
N	Y02W 30/94	4	from metallurgical processes	
N	Y02W 30/95	4	from building or ceramic industry	
N	Y02W 30/96	4	organic e.g. rubber, polystyrene	
N	Y02W 30/97	5	Vegetable refuse, e.g. rice husks, maize-ear refuse; cellulosic materials, e.g. paper	
N	Y02W 90/00	0	Enabling technologies or technologies with a potential or indirect contribution to greenhouse gas [GHG] emissions mitigation	
N	Y02W 90/10	1	Bio-packaging	
N	Y02W 90/11	2	Packing containers made from renewable resources	
N	Y02W 90/12	3	Packing containers made of bio-plastics	
N	Y02W 90/13	3	Biodegradable packaging containers	
N	Y02W 90/14	4	Compostable packaging containers	
N	Y02W 90/20	1	Computer systems or methods specially adapted for waste reduction or recycling of materials or goods	

CPC NOTICE OF CHANGES 91

DATE: MAY 1, 2015

PROJECT Y02W ESTABLISHED

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; E= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except “D” which requires only a symbol.
- #“Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

CPC NOTICE OF CHANGES 91

DATE: MAY 1, 2015

PROJECT Y02W ESTABLISHED

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02W	CPCONLY	NEW
Y02W 10/00	CPCONLY	NEW
Y02W 10/10	CPCONLY	NEW
Y02W 10/12	CPCONLY	NEW
Y02W 10/15	CPCONLY	NEW
Y02W 10/18	CPCONLY	NEW
Y02W 10/20	CPCONLY	NEW
Y02W 10/23	CPCONLY	NEW
Y02W 10/27	CPCONLY	NEW
Y02W 10/30	CPCONLY	NEW
Y02W 10/33	CPCONLY	NEW
Y02W 10/37	CPCONLY	NEW
Y02W 10/40	CPCONLY	NEW
Y02W 10/45	CPCONLY	NEW
Y02W 30/00	CPCONLY	NEW
Y02W 30/10	CPCONLY	NEW
Y02W 30/20	CPCONLY	NEW
Y02W 30/30	CPCONLY	NEW
Y02W 30/32	CPCONLY	NEW
Y02W 30/35	CPCONLY	NEW
Y02W 30/38	CPCONLY	NEW
Y02W 30/40	CPCONLY	NEW
Y02W 30/43	CPCONLY	NEW
Y02W 30/47	CPCONLY	NEW
Y02W 30/50	CPCONLY	NEW
Y02W 30/52	CPCONLY	NEW
Y02W 30/521	CPCONLY	NEW
Y02W 30/522	CPCONLY	NEW
Y02W 30/523	CPCONLY	NEW
Y02W 30/524	CPCONLY	NEW
Y02W 30/525	CPCONLY	NEW
Y02W 30/526	CPCONLY	NEW
Y02W 30/527	CPCONLY	NEW
Y02W 30/528	CPCONLY	NEW
Y02W 30/54	CPCONLY	NEW
Y02W 30/541	CPCONLY	NEW
Y02W 30/542	CPCONLY	NEW
Y02W 30/543	CPCONLY	NEW
Y02W 30/56	CPCONLY	NEW
Y02W 30/58	CPCONLY	NEW
Y02W 30/60	CPCONLY	NEW

CPC NOTICE OF CHANGES 91

DATE: MAY 1, 2015

PROJECT Y02W ESTABLISHED

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02W 30/61	CPCONLY	NEW
Y02W 30/62	CPCONLY	NEW
Y02W 30/622	CPCONLY	NEW
Y02W 30/625	CPCONLY	NEW
Y02W 30/628	CPCONLY	NEW
Y02W 30/64	CPCONLY	NEW
Y02W 30/642	CPCONLY	NEW
Y02W 30/644	CPCONLY	NEW
Y02W 30/646	CPCONLY	NEW
Y02W 30/648	CPCONLY	NEW
Y02W 30/66	CPCONLY	NEW
Y02W 30/663	CPCONLY	NEW
Y02W 30/667	CPCONLY	NEW
Y02W 30/68	CPCONLY	NEW
Y02W 30/683	CPCONLY	NEW
Y02W 30/687	CPCONLY	NEW
Y02W 30/70	CPCONLY	NEW
Y02W 30/701	CPCONLY	NEW
Y02W 30/702	CPCONLY	NEW
Y02W 30/703	CPCONLY	NEW
Y02W 30/704	CPCONLY	NEW
Y02W 30/705	CPCONLY	NEW
Y02W 30/706	CPCONLY	NEW
Y02W 30/72	CPCONLY	NEW
Y02W 30/74	CPCONLY	NEW
Y02W 30/76	CPCONLY	NEW
Y02W 30/78	CPCONLY	NEW
Y02W 30/80	CPCONLY	NEW
Y02W 30/801	CPCONLY	NEW
Y02W 30/802	CPCONLY	NEW
Y02W 30/803	CPCONLY	NEW
Y02W 30/804	CPCONLY	NEW
Y02W 30/805	CPCONLY	NEW
Y02W 30/806	CPCONLY	NEW
Y02W 30/807	CPCONLY	NEW
Y02W 30/82	CPCONLY	NEW
Y02W 30/821	CPCONLY	NEW
Y02W 30/822	CPCONLY	NEW
Y02W 30/823	CPCONLY	NEW
Y02W 30/824	CPCONLY	NEW
Y02W 30/825	CPCONLY	NEW
Y02W 30/826	CPCONLY	NEW
Y02W 30/827	CPCONLY	NEW
Y02W 30/828	CPCONLY	NEW
Y02W 30/829	CPCONLY	NEW

CPC NOTICE OF CHANGES 91

DATE: MAY 1, 2015

PROJECT Y02W ESTABLISHED

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
Y02W 30/84	CPCONLY	NEW
Y02W 30/86	CPCONLY	NEW
Y02W 30/88	CPCONLY	NEW
Y02W 30/881	CPCONLY	NEW
Y02W 30/882	CPCONLY	NEW
Y02W 30/883	CPCONLY	NEW
Y02W 30/884	CPCONLY	NEW
Y02W 30/90	CPCONLY	NEW
Y02W 30/91	CPCONLY	NEW
Y02W 30/92	CPCONLY	NEW
Y02W 30/93	CPCONLY	NEW
Y02W 30/94	CPCONLY	NEW
Y02W 30/95	CPCONLY	NEW
Y02W 30/96	CPCONLY	NEW
Y02W 30/97	CPCONLY	NEW
Y02W 90/00	CPCONLY	NEW
Y02W 90/10	CPCONLY	NEW
Y02W 90/11	CPCONLY	NEW
Y02W 90/12	CPCONLY	NEW
Y02W 90/13	CPCONLY	NEW
Y02W 90/14	CPCONLY	NEW
Y02W 90/20	CPCONLY	NEW

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.