Patent Classification for "The CO2 Question: Technical Progress and the Climate Crisis"

1.1 Introduction

The Coopoerative Patent Classification (CPC) system has over 200,000 technology classes. Our goal is to identify technologies that address the global climate change issue and have the potential to reducing greenhouse gas emission. Specifically, we seek to identify technologies that enable the substitution of carbon dioxide emitting technologies and technologies that improve the efficiency of fossil-fuel based technologies. We gather cpc classification codes related to greenhouse gas emission reduction from four sources and recategorize them into the two main categories *pure green* technologies and *fuel efficiency* technologies¹. Technologies that concern process efficiency improvements in general but are not clearly linked to renewable or fossil fuels are categorized as *unmatched*. The full list of classified cpc codes can be found in this csv file, which matches the full sets of classifications to the 2021-08 cpc classification list.

Definitions:

Pure green: Technologies that substitute carbon dioxide emitting technologies for carbon dioxide-free technologies or make carbon dioxide-free technologies more accessible.

Fuel efficiency: Technologies that improve process efficiencies of fossil fuel sources and therefore reduce carbon dioxide emissions per output.

1.2 Underlying classification sources

The four sources underlying environment-related technology classification sources are:

- 1. Environmental technologies classified by the Organization of Economic Co-opeartion and Development (OECD)²: The search strategy is described by Hascic & Migotto (2015) and has a broad coverage including technologies related to environmental pollution, water scarcity and climate change mitigation. We are using the 2020 version and call this the OECD classification.
- 2. Efficiency improving fossil fuel technology classes: Lanzi *et al.* (2011) search fuel-efficient technologies for electricity generation in fuel preparation technologies, furnaces and burners as well as boilers, turbines and engines. We call this the Fossil Fuel (FF) classification.
- 3. International Patent Classification (IPC) Green Inventory³: This classification is developed by the IPC Committee of Experts and captures Environmentally Sound Technologies (ESTs) defined as "technologies that have the potential to significantly improved environmental performance relative to other technologies"⁴. We call this the IPC classification.
- 4. Corporate Knights Clean 200 patents⁵: Corporate Knights identifies the top 200 companies based on the amount of revenue each company earns from products and services aligned with the Corporate

¹Note: "Classes" refers to the underlying patent classification system class. "Classification" refers to the classification sources we build our categories on. "Categories" are the final three categories that we study in our paper.

²OECD env-tech source (accessed 18 January 2022)

³WIPO-IPC green inventory source (accessed 2 February 2022)

⁴UN Environment Programme. Environmentally sound technologies. (accessed 12 March 2023)

⁵Corporate Knights. Clean 200 Top publicly listed companies by clean revenue (accessed 19 February 2022)

Knights Clean Economy Taxonomy. For the corporate knights 200 firms' who have at least 70% of their patents classified as clean revenue, we gather all of their patents up to 5 years before the listing year. For the stock of patents we identify the CPC technology classes. To identify technology classes related to greenhouse gas reduction, we iteratively go through all classes aggregated at the 5th, 7th and 8th level of CPC classification. Finally we filter the lowest level for key words⁶ and assess whether a technology class is related to greenhouse gas reduction. We call this the Corporate Knights (CK) classification.

1.3 Category classification procedure

We first clean each individual classification source document (e.g. OECD, FF, IPC, Corporate Knights) into the three defined categories *pure green*, *fuel efficiency* and *unmatched*. To classify the OECD and IPC classification, we go through the lowest available classification level within these classifications. For instance, the OECD has up to 4 levels. We thus use the fourth level if available and then move to the third, second and first level⁷. Within the lowest level OECD and IPC classifications, a few CPC codes occur multiple times, respectively at different levels such as the subclass, group and subgroup level. We aggregate the defined categories based on the highest CPC hierarchical system level if there are multiple matches. The final categories assigned are listed in Table 4. The IPC classification has up to 5 levels. While only very few topics go down to level 5, we start with classifying the fifth level and move up⁸. We list the final categories assigned to the IPC classifications in Table 5. All patent classifications from the Fossil Fuel technology are classified as "brown efficiency technologies" (see Table 6). Finally we classify the Corporate Knights classification based on the highest aggregate technology patent classification level suitable. All lower level classifications are assumed to be part of the given assigned classification. In Table 7 we report the CPC codes identified, the level of the CPC code identified and an assigned OECD env-tech category, which we use to sort and report the CPC codes.

Next, we merge the four classification sources into one master list. Several technology classifications are covered by multiple sources (compare Table 1). If a CPC code has been matched in multiple sources, we use the following order to assign a category: OECD > FF > IPC > CK. We match these classification to the 2021-08 cpc classification list to create a final list of codes. We report a csv file with all cpc codes matched to a source here. This file reports by CPC code the final category assigned (column: BKWclassification), the category from the different classification sources, as well as necessary FF exclusion checks and OECD dual checks.

The CPC classification has up to 19 levels, but not all technology classes go down to 19 levels. Considering all technology classifications from Level 5 onwards, we have a total of 261,993 classification⁹ Considering only the lowest level within a given classification path, there are a total of 186,668 classifications. We identified 7,734 (5,313 considering only the lowest level) classifications as *pure green* technologies and 6,746 (4,690) as *fuel efficiency* technologies. We leave 5,110 (3,552) *unmatched*, as they cannot be clearly assigned.

⁶Keywords include: solar, nuclear, water, wind, renewable, hydro, geothermal, fuel cell, greenhouse gas, efficiency, energy, hybrid, batter, fuel injection

^{7&}quot;2.1.1 Wind Energy" is an example classification where the lowest level is level 3. "9.2.1.1 Indoor water conservation" is an example classification that goes down to level 4.

^{8&}quot;Air quality management - treatment of waste gases - Combustion apparatus using recirculation of flue gases" is an example of a classification that goes down to level 5.

⁹This is as of the CPC classification of August 2021.

Table 1 documents the number of classifications from each of the four sources. Table 2 shows the number of technology classes by category and classification source. We show the percentage of technology classes from the various classification sources in a given category (pure green, fuel efficiency and unmatched) in Table 3. We derive most technology classes for *pure green* technologies from IPC and for *fuel efficiency* technologies from FF.

Lastly, we match the cpc codes to patents cpc codes at the respective level. As patents can have multiple cpc codes, patents may include cpc codes that are assigned to different categories. If a patent was matched to multiple categories, we classify a patent as fuel efficiency if it has been matched to at least one fuel efficiency cpc code. We classify a patent as pure green if it has been matched to pure green and an unmatched cpc code, but not fuel efficiency cpc code.

TABLE 1: No. of technology classes by classification source

Classification source	All classes level 5 onwards		Lowest class onl	
	No.	Perc.	No.	Perc.
OECD	2222	0.85	1529	0.82
OECD & IPC	1847	0.7	1334	0.72
OECD & IPC & FF	127	0.05	89	0.05
OECD & FF	24	0.01	14	0.01
IPC	9483	3.62	6417	3.44
IPC & FF	783	0.3	557	0.3
FF	3499	1.34	2429	1.3
CK	1874	0.72	1368	0.73
none	242134	92.42	172821	92.64

TABLE 2: NO. OF TECHNOLOGY CLASSES BY CLASSIFICATION SOURCE AND CATEGORY

Category	Classification source	All classes	level 5 onwards	Lowest o	class only
		No.	Perc.	No.	Perc.
pure green	OECD	153	0.06	119	0.06
pure green	OECD & IPC	298	0.11	209	0.11
pure green	OECD & IPC & FF	1	0	1	0
pure green	IPC	6446	2.46	4367	2.34
pure green	CK	836	0.32	617	0.33
fuel efficiency	OECD	1610	0.61	1098	0.59
fuel efficiency	OECD & IPC	113	0.04	76	0.04
fuel efficiency	OECD & IPC & FF	126	0.05	88	0.05
fuel efficiency	OECD & FF	24	0.01	14	0.01
fuel efficiency	IPC	115	0.04	80	0.04
fuel efficiency	IPC & FF	783	0.3	557	0.3
fuel efficiency	FF	3499	1.34	2429	1.3
fuel efficiency	CK	476	0.18	348	0.19
efficiency - unmatched	OECD	199	0.08	137	0.07
efficiency - unmatched	OECD & IPC	1427	0.54	1042	0.56
efficiency - unmatched	IPC	2922	1.12	1970	1.06
efficiency - unmatched	CK	562	0.21	403	0.22
na	OECD	260	0.1	175	0.09
na	OECD & IPC	9	0	7	0
n.o.i.	none	242134	92.42	172821	92.64

TABLE 3: No. of technology classes in category by classification source

Classification source	e Green		Efficiency brown		Efficiency general	
	No.	Perc.	No.	Perc.	No.	Perc.
OECD	119	2.24	1098	23.41	137	3.86
OECD & IPC	209	3.93	76	1.62	1042	29.34
OECD & IPC & FF	1	0.02	88	1.88	0	0
OECD & FF	0	0	14	0.3	0	0
IPC	4367	82.19	80	1.71	1970	55.46
IPC & FF	0	0	557	11.88	0	0
FF	0	0	2429	51.79	0	0
CK	617	11.61	348	7.42	403	11.35

TABLE 4: CATEGORIES ASSIGNED TO OECD CLASSIFICATION

Topic L1	Topic L2	Topic L3	Topic L4	CPC codes	Category
1. Environmental Management	1.1. Air pollution abatement	1.1.1. Emissions abatement from stationary sources (e.g. SOx, NOx, PM emissions from combustion plants)		B01D53/34-965; F23G7/06; F23J15; F27B1/18	fuel efficiency
				C21B7/22; C21C5/38; F23B80; F23C9 F23C10	fuel efficiency fuel efficiency
1. Environmental Management	1.1. Air pollution abatement	1.1.2. Emissions abatement from mobile sources (e.g. NOx, CO, HC, PM emissions from motor vehicles)		F23C10 B01D53/92; B01D53/94; B01D53/96; B01J23/38-468	fuel efficiency
				F01M13; F01M2013; F02B47/08-10; F02D21/06-10 F02M26; F02M2026; G01M15/10; F02B47/06	fuel efficiency
				F02D41: F02D43: F02D45: F02M3/02-055	fuel efficiency fuel efficiency
				F02M23: F02M25: F02M27: F02M31/02-186	fuel efficiency
4.5.1	AAAC WALLEY	440.41		F02M39-71; F02P5	fuel efficiency
1. Environmental Management	1.1. Air pollution abatement	1.1.3. Air pollution abatement - Not elsewhere classified		B01D46; B01D47; B01D49; B01D50 B01D51; B03C3; F01N3; F01N5	efficiency - unmat efficiency - unmat
				F01N13; F01N9; F01N11; C10L10/02	efficiency - unmat
1. Environmental Management	1.2. Water pollution abatement	1.2.1. Water and wastewater treatment		C10L10/06 B63J4; C02F; C09K3/32; E03C1/12	efficiency - unmat efficiency - unmat
Environmental Management	1.2. Water pollution abatement	1.2.1. Water and Wastewater treatment		E03F	efficiency - unmat
Environmental Management	1.2. Water pollution abatement	1.2.2. Fertilizers from wastewater		C05F7	pure green
Environmental Management	1.2. Water pollution abatement	1.2.3. Oil spill and pollutant clean-up		E02B15/04-10; E02B2015/005; B63B35/32; C09K 3/32	fuel efficiency
Environmental Management Environmental Management	1.3. Waste management 1.3. Waste management	1.3.1. Solid waste collection 1.3.2. Material recovery, recycling and re-use		E01H15; B65F A23K10/26-28; A23K10/32-33; A23K10/37-38; A43B1/12	efficiency - unmat pure green
				B03B9/06: B22F8: B29B7/66: B29B17	pure green
				B30B9/32; B62D67; B65H73; B65D65/46	pure green
				C03B1/02; C04B7/24-30; C04B11/26; C04B18/04-305 C04B33/132; C08[11; C09K11/01; C10M175	pure green pure green
				C22B7; C22B19/28-30; C22B25/06; D01G11	pure green
				D21B1/08-10; D21B1/32; D21C5/02; D21H17/01	pure green
Environmental Management	AAW.	1.3.3. Fertilizers from waste		H01B 15/00; H01J 9/52; H01M 6/52; H01M 10/54	pure green
Environmental Management Environmental Management	1.3. Waste management 1.3. Waste management	1.3.4. Incineration and energy recovery		C10L5/46-48; F23G5; F23G7	pure green efficiency - unma
Environmental Management	1.3. Waste management	135 Landfilling		n.a.	efficiency - unma
Environmental Management	1.3. Waste management	1.3.6. Waste management - Not elsewhere classified		B09B; C10G1/10; A61L11; B02C19/0075	efficiency - unma
Environmental Management Environmental Management	1.4. Soil remediation 1.5. Environmental monitoring			B09C F01N11; G08B21/12-14	efficiency - unma
Environmental Management CM technologies related to energy generation, transmission or distribution	1.5. Environmental monitoring 2.1. Renewable energy generation	2:1.1. Wind energy		F01N11; G08B21/12-14 Y02E10/70-76	efficiency - unm. pure greer
CM technologies related to energy generation, transmission or distribution	2.1. Renewable energy generation	2.1.2. Solar thermal energy		Y02E10/40-47	pure greer
M technologies related to energy generation, transmission or distribution	2.1. Renewable energy generation	2.1.3. Solar photovoltaic (PV) energy 2.1.4. Solar thermal-PV hybrids		Y02E10/50-56 Y02E10/60	pure grees
CM technologies related to energy generation, transmission or distribution CM technologies related to energy generation, transmission or distribution	2.1. Renewable energy generation 2.1. Renewable energy generation	2.1.4. Solar thermal-PV hybrids 2.1.5. Geothermal energy		Y02E10/60 Y02E10/10	pure greer pure greer
CM technologies related to energy generation, transmission or distribution	2.1. Renewable energy generation	 Marine energy, e.g. using wave energy or salinity gradient 		Y02E10/30	pure greer
CM technologies related to energy generation, transmission or distribution	2.1. Renewable energy generation	2.1.7. Hydro energy		Y02E10/20	pure greer
CM technologies related to energy generation, transmission or distribution	2.2. Energy generation from fuels of non-fossil origin	2.2.1. Biofuels, e.g. bio-diesel		Y02E50/10 Y02E50/30	pure greer
CM technologies related to energy generation, transmission or distribution CM technologies related to energy generation, transmission or distribution	2.2. Energy generation from fuels of non-fossil origin 2.2. Energy generation from fuels of non-fossil origin	2.2.2. Fuel from waste, e.g. synthetic alcohol or diesel 2.3.1. Technologies for improved output efficiency (combined heat and power, combined cycles, etc.)		Y02E30/30 Y02E20/12-18Å	pure grees fuel efficien
CM technologies related to energy generation, transmission or distribution	2.2. Energy generation from fuels of non-fossil origin	2.3.2. Technologies for improved input efficiency (efficient combustion or heat usage) 2.4.1. Nuclear fusion reactors		Y02E20/30-34	fuel efficier
M technologies related to energy generation, transmission or distribution	2.4. Nuclear energy			Y02E30/10	pure gree
M technologies related to energy generation, transmission or distribution M technologies related to energy generation, transmission or distribution	2.4. Nuclear energy 2.5. Technologies for an efficient electrical power generation, transmission or distribution	2.4.2. Nuclear fission reactors 2.5.1. Superconducting electric elements or equipment		Y02E30/30 Y02E40/60	pure grees
CM technologies related to energy generation, transmission or distribution	2.5. Technologies for an efficient electrical power generation, transmission or distribution	2.5.1. Superconducting electric elements of equipment 2.5.2. Smart grids as CCM technology in the energy generation sector		Y02E40/70	pure grees
CM technologies related to energy generation, transmission or distribution	 Technologies for an efficient electrical power generation, transmission or distribution 	2.5.3. Not elsewhere classified		Y02E40/10-50	pure green
CM technologies related to energy generation, transmission or distribution	2.6. Enabling Technologies (Technologies with potential or indirect contribution to GHG emission mitigation)	2.6.1. Energy storage		Y02E60/10-16; Y02E60/10; Y02E60/13; Y02E60/14	pure green
"M technologies related to anonsy congration, transmission or distribution	2.6. Enabling Technologies (Technologies with potential or indirect contribution to GHG emission mitigation)	2.6.2. Hydrogen technology		Y02E60/16 Y02E60/30.36	pure green efficiency - unma
CM technologies related to energy generation, transmission or distribution	2.6. Enabling Technologies (Technologies with potential or indirect contribution to GHG emission mitigation) 2.6. Enabling Technologies (Technologies with potential or indirect contribution to GHG emission mitigation)	2.6.3. Fuel cells		Y02E60/50	pure green
CM technologies related to energy generation, transmission or distribution	2.6. Enabling Technologies (Technologies with potential or indirect contribution to GHG emission mitigation)	2.6.4. High-voltage direct current transmission		Y02E60/60	efficiency - unma
CM technologies related to energy generation, transmission or distribution 3. Capture, storage, sequestration or disposal of GHG	2.7. Other energy conversion or management systems reducing GHG emissions 3.1. Capture or disposal of nitrous oxide (N2O)			Y02E70 Y02C20/10	efficiency - unma fuel efficienc
Capture, storage, sequestration or disposal of GHG Capture, storage, sequestration or disposal of GHG	3.2. Capture or disposal of methane (CH4)			Y02C20/10	fuel efficien
3. Capture, storage, sequestration or disposal of GHG	 Capture or disposal of perfluorocarbons [PFC], hydrofluorocarbons [HFC] or sulfur hexafluoride [SF6] 			Y02C20/30	fuel efficien
Capture, storage, sequestration or disposal of GHG	 Capture or disposal of carbon dioxide (CO2) 	4.1.1 Conventional vehicles (based on internal combustion engine)		Y02C20/40	fuel efficien
CCM technologies related to transportation CCM technologies related to transportation	4.1. Road transport 4.1. Road transport	4.1.1. Conventional vehicles (based on internal combustion engine) 4.1.2. Hybrid vehicles		Y02T10/10-40 Y02T10/62Å	fuel efficier
CCM technologies related to transportation CCM technologies related to transportation	4.1 Road transport	4.1.2. Pryond venicus 4.1.3 Flortric vehicles		Y02T10/62A Y02T10/64-72	pure grees
CCM technologies related to transportation CCM technologies related to transportation	4.1. Road transport	4.1.4. Fuel efficiency-improving vehicle design (common to all road vehicles)		Y02T10/80	efficiency - unm
CCM technologies related to transportation CCM technologies related to transportation	4.2. Rail Transport 4.3. Aeronautics or air transport	4.2. RAIL Transport		Y02T30/00 Y02T50	efficiency - unm efficiency - unm
CCM technologies related to transportation CCM technologies related to transportation	4.5. Aeronautics or air transport 4.4. Maritime or waterways transport			Y02170	efficiency - unm
4. CCM technologies related to transportation	4.5. Enabling Technologies in transport	4.5.1. Electric vehicle charging		Y02T90/10-167	
 CCM technologies related to transportation 					pure gree
	4.5. Enabling Technologies in transport	4.5.2. Application of hydrogen technology to transportation, e.g. using fuel cells		Y02T90/40	pure gree
CCM technologies related to buildings CCM technologies related to buildings	4.5. Enabling Technologies in transport 5.1. Integration of renewable energy sources in buildings 5.2. onergy efficiency is buildings	4.5.2. Application of hydrogen technology to transportation, e.g. using fuel cells		Y02B10	pure gree
CCM technologies related to buildings CCM technologies related to buildings CCM technologies related to buildings	5.1. Integration of renewable energy sources in buildings 5.2. energy efficiency in buildings 5.2. energy efficiency in buildings	4.5.2. Application of hydrogen technology to transportation, e.g. using fuel cells 5.2.1. Energy efficient lighting 5.2.2. Energy efficient heating, ventilation or air conditioning [HVAC]			pure gree pure gree efficiency - unn
 CCM technologies related to buildings CCM technologies related to buildings 	5.1. Integration of renewable energy sources in buildings 5.2 energy efficiency in buildings	4.5.2. Application of hydrogen technology to transportation, e.g. using fuel cells 5.2.1. Energy efficient lighting 5.2.2. Energy efficient heating, ventilation or air conditioning [HVAC] 5.2.3. Energy efficiency in home appliances		Y02B10 Y02B20 Y02B30 Y02B40	pure gree pure gree efficiency - unr efficiency - unr efficiency - unr
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CCM technologies related to buildings	5.1. Integration of ronewable energy sources in buildings 5.2. energy efficiency in buildings 5.3. energy efficiency in buildings 5.4. energy efficiency in buildings	4.5.2. Application of hydrogen technology to transportation, e.g. using fuel cells 5.2.1. Energy efficient lighting 5.2.2. Energy efficient heating, ventilation or air conditioning [HVAC] 5.2.3. Energy efficiency in home appliances		Y02B10 Y02B20 Y02B20 Y02B40 Y02B40 Y02B50 Y02B70	pure gree pure gree efficiency - unr efficiency - unr efficiency - unr efficiency - unr efficiency - unr
CCM technologies related to buildings	S.1. Integration of renewable energy sources in buildings S.2. energy efficiency in buildings S.3. energy efficiency in buildings S.4. energy efficiency in buildings S.3. Architectural or constructional elements improving the behrmal performance of buildings	4.52. Application of hydrogen technology to transportation, e.g. using fuel cells 5.2.1. Energy efficient lighting 5.2.2. Energy efficient bating, ventilation or air conditioning [HVAC] 5.2.3. Energy efficient in home appliances 5.2.4. Energy efficient devators, exclusions and moving walkways, e.g. energy saving or recuperation technologies		Y02B10 Y02B20 Y02B30 Y02B40 Y02B40	pure gree pure gree efficiency - unr efficiency - unr efficiency - unr efficiency - unr pure gree
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Level	I Topic L1	Topic L2	Topic L3	Topic L4	CPC codes	Category
3	7. CCM technologies in the production or processing of goods	7.2. Technologies relating to the chemical industry	7.2.6. Improvements relating to fluorochloro hydrocarbon, e.g. chlorodifluoromethane [HCFC-22] production		Y02P20/40	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.3. Technologies relating to oil refining and petrochemical industry	7.3.1. Bio-feedstock		Y02P30/20	fuel efficiency
3	7. CCM technologies in the production or processing of goods	7.3. Technologies relating to oil refining and petrochemical industry	7.3.2. Ethylene production		Y02P30/40	fuel efficiency
3	7. CCM technologies in the production or processing of goods	7.4. Technologies relating to the processing of minerals	7.4.1. Production of cement		Y02P40/10-18	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.4. Technologies relating to the processing of minerals	7.4.2. Production or processing of lime		Y02P40/40-45	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.4. Technologies relating to the processing of minerals	7.4.3. Glass production		Y02P40/50-57	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.4. Technologies relating to the processing of minerals	7.4.4. Production of ceramic materials or ceramic elements		Y02P40/60	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.5. Technologies relating to agriculture, livestock or agroalimentary industries	7.5.1. Using renewable energies, e.g. solar water pumping		Y02P60/12	pure green
3	CCM technologies in the production or processing of goods	7.5. Technologies relating to agriculture, livestock or agroalimentary industries	7.5.2. Measures for saving energy, e.g. in green houses		Y02P60/14	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.5. Technologies relating to agriculture, livestock or agroalimentary industries	7.5.3. Reduction of GHG [GHG] emissions in agriculture		Y02P60/20-22	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.5. Technologies relating to agriculture, livestock or agroalimentary industries	7.5.4. Land use policy measures		Y02P60/30	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.5. Technologies relating to agriculture, livestock or agroalimentary industries	7.5.5. Afforestation or reforestation		Y02P60/40	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.5. Technologies relating to agriculture, livestock or agroalimentary industries	7.5.6. Livestock or poultry management		Y02P60/50-52	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.5. Technologies relating to agriculture, livestock or agroalimentary industries	7.5.7. Fishing, Aquaculture, Aquafarming		Y02P60/60	efficiency - unmatched
3	7. CCM technologies in the production or processing of goods	7.5. Technologies relating to agriculture, livestock or agroalimentary industries	7.5.8. Food processing, e.g. use of renewable energies or variable speed drives in handling, conveying or stacking		Y02P60/80-87	efficiency - unmatched
2	7. CCM technologies in the production or processing of goods	7.6. technologies in the production process for final industrial or consumer products			Y02P70	efficiency - unmatched
2	7. CCM technologies in the production or processing of goods	7.7. CCM technologies for sector-wide applications			Y02P80	efficiency - unmatched
2	7. CCM technologies in the production or processing of goods	7.8. Enabling technologies with a potential contribution to GHG emissions mitigation			Y02P90	efficiency - unmatched
2	8. CCM in information and communication technologies	8.1. Energy efficient computing			Y02D10	efficiency - unmatched
2	8. CCM in information and communication technologies	8.2. Energy efficiency in communication networks			Y02D30	efficiency - unmatched
3	Climate change adaption technologies	9.1. Adaptation at coastal zones or river basins	9.1.1. Hard structures, e.g. dams, dykes or breakwaters		Y02A10/11	na
3	Climate change adaption technologies	9.1. Adaptation at coastal zones or river basins	9.1.2. Dune restoration or creation; cliff stabilisation		Y02A10/23	na
3	Climate change adaption technologies	9.1. Adaptation at coastal zones or river basins	9.1.3. Artificial reefs or seaweed; restoration or protection of coral reefs		Y02A10/26	na
3	Climate change adaption technologies	 9.1. Adaptation at coastal zones or river basins 	9.1.4. Flood prevention; flood or storm water management		Y02A10/30	na
3	Climate change adaption technologies	9.1. Adaptation at coastal zones or river basins	9.1.5. Controlling, monitoring or forecasting		Y02A10/40	na
4	Climate change adaption technologies	9.2. Water resource management	9.2.1. Demand-side technologies (water conservation)	9.2.1.1. Indoor water conservation	F16K21/06-12; F16K 21/16-20; F16L55/07; E03C1/084	na
4					E03D3/12; E03D1/14; A47K11/12; A47K11/02	na
4					E03D13/007; E03D5/016; E03B1/041; Y02A20/146-148	na
4	Climate change adaption technologies	9.2. Water resource management	9.2.1. Demand-side technologies (water conservation)	9.2.1.2. Irrigation water conservation	A01G25/02; A01G25/06; A01G 25/16; C12N15/8273	na
4	9. Climate change adaption technologies	9.2. Water resource management	9.2.1. Demand-side technologies (water conservation)	9.2.1.3. Water conservation in thermoelectric power production	F01K23/06-108; F01D11; Y02A20/30	fuel efficiency
4	Climate change adaption technologies	9.2. Water resource management	9.2.2. Supply-side technologies (water availability)	9.2.2.1. Water collection (rain, surface and ground-water)	E03B3/02; E03B3/03; Y02A20/108; E03B9	na
4					E03B3/04; E03B3/30; E03B3/36; E03B5	na
4					E03B3/06-26; E03B3/28; E03B3/32-34; E03B3/38-40	na
4	Climate change adaption technologies	9.2. Water resource management	9.2.2. Supply-side technologies (water availability)	9.2.2.2. Water desalination	Y02A20/124-144; C02F1/265	na
4	 Climate change adaption technologies 	9.2. Water resource management	9.2.2. Supply-side technologies (water availability)	9.2.2.3. Water storage and distribution	E03B11; Y02A20/15; F17D5/02 and E03B; F17D5/02 and E03C	na
4					F17D5/02 and E03D; F16L55/16 and E03B; F16L55/16 and E03C; F16L55/16 and E03D	na
4					G01M3/08 and E03B; G01M3/14 and E03B; G01M3/18 and E03B; G01M3/22 and E03B	na
4					G01M3/28 and E03B; G01M3/08 and E03C; G01M3/14 and E03C; G01M3/18 and E03C	na

TABLE 5: CATEGORIES ASSIGNED TO IPC CLASSIFICATION

A ALTERNATIVE ENRICY PRODUCTION BOP-FILES ALTERNATIVE ENRICY PRODUCTION BOP-FILES SOLID FLEIS ALTERNATIVE ENRICY PRODUCTION BOP-FILES SOLID FLEIS SOLI	C106. 5/00.Å 5/40.5/48 C108.53/02. C108.5/02.Å 5/40. C108.5/02.Å 4/14 C108.1.10.24.Å 1/19 C107. 67/02.Å 69/00 C108.C1.4.1/19 C110.7/19 C110.7/19 C110.7/19 C110.7/10.4 C110.7/	pure green pure green
A ATTERNATIVE ENRINGY PRODUCTION BO-FUES SOLID FUELS	C106.15/40,45/900 C101.17/00,17/02,41/14 C106.17/02,46/190 C106.17/02,46/190 C106.17/02,46/190 C106.17/02,41/19 C110.27/190 C12977/09 C12977/09 C12977/09 C12977/04 C12877/04 C12877/04 C12877/04 C12817/04 C12817/05/14 C12817/05/14 C12817/05/14 C12817/05/15/15/10 C128117/05/15/15/10 C128117/05/15/15/15/10	pure green pure green
A LIERANTHE ENRICTY PRODUCTION 18 O-FUELS LIQUID FUELS VEGETABLE OILS	C101. 1/00, Å 1/02, Å 1/14 C101. 1/02, Å 1/19 C07c. 67/00, Å 08/10 C101. C102, Å 1/19 C110. C110	pure green
A ALTERNATIVE ENRORY PRODUCTION BO-FLEES LQUID FILES BOURSEL	C104.1/02.Å 1/19 CUPC 67/02.Å 69/00 C104.1/02.Å 1/19 C110.1/02.Å 1/19 C1127/169 C104.1/02.Å 1/19 C1127/169 C104.1/02.Å 1/19 C1127/166/7/14 C0127/26.Å 1/104 C124.1/107 C124.1/107 C124.1/107 C124.1/107 C124.1/107 C126.3/00	pure green pure green
4 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES LIQUID FEELS BOOMSEL 4 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES LIQUID FEELS BOOMSEL 4 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES LIQUID FEELS BOOMSEL 4 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES LIQUID FEELS BOOMSEL 4 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES LIQUID FEELS BOOMSEL 4 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES LIQUID FEELS BOOMSEL 5 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES LIQUID FEELS BOOMSEL 6 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES LIQUID FEELS BOOMSEL 6 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES LIQUID FEELS BOOMSEL 6 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES LIQUID FEELS BOOMSEL 6 ALTERNATIVE ENRIGY PRODUCTION 80 OFFEES FROM ENRIFT ENGLAND STREET OFFEE STREET	C07C-67/00, Å of /00 C101C C101. 1/02, Å 1/19 C101. 1/02, Å 1/19 C110. 1/02, Å 1/19 C110. 1/02, Å 1/19 C110. 1/02, Å 1/182 C112. 7/06/7/14 C112. 7/06/7/10 C110. 1/00, Å 1/19 C120. 1/10, Å 1/10 C120.	pure green pure green
A LITENATIVE ENRICTY PRODUCTION BIO-FLES LIQUID FUELS BIODISEL	C10C. C10L.102A.1/19 C11C.3/10 C11E.7/169 C11E.7/169 C11E.7/169 C11E.7/169 C12E.7/16-7/14 C02F.3/28A.1.1/04 C10L.3/10 C12E.1/160 C12E.3/100 C12	pure green pure green pure green pure green pure green pure green pure green pure green pure green pure green
4 ALEBNATUE ENBRGY PRODUCTION BO-FELS LIQUID FELLS BOOMSEL ALEBNATUE ENBRGY PRODUCTION BO-FELS LIQUID FELLS BOOMSEL 4 ALEBNATUE ENBRGY PRODUCTION BO-FELS LIQUID FELLS BOOMSEL 5 ALEBNATUE ENBRGY PRODUCTION BO-FELS LIQUID FELLS BOOMSEL 6 ALEBNATUE ENBRGY PRODUCTION BO-FELS BOOMSEL 6 ALEBNATUE ENBRGY PRODUCTION BO-FELS BOOMSELS 6 ALEBNATUE ENBRGY PRODUCTION THE GRATED ASSISTANT COMMINED CYCLE (GCC) 6 ALEBNATUE ENBRGY PRODUCTION THE GRATED ASSISTANT COMMINED CYCLE (GCC) 6 ALEBNATUE ENBRGY PRODUCTION THE GRATED ASSISTANT COMMINED CYCLE (GCC) 6 ALEBNATUE ENBRGY PRODUCTION FULL CILLS 6 ALEBNATUE	C11C.3/10 C12P.7/68/ C10L.1/0Z.A.1/182 C10L.1/0Z.A.1/182 C12P.7/68-7/14 C02P.3/28.A.11/04 C10L.3/00 C12M.1/107 C12M.1/107 C12M.1/107 C12M.1/107 C12M.1/107 C12M.1/107 C12M.1/107	pure green pure green pure green pure green pure green pure green pure green pure green pure green
4 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS LIQUID FUELS 800DISEL 4 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS LIQUID FUELS 800DISEL 4 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS LIQUID FUELS 800DISEL 4 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS LIQUID FUELS 800DISEL 5 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS BOCKS 800DISEL 6 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS BOCKS 800DISEL 6 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS 800CAS 800DISEL 6 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS FROM CENTRALITY ENGINEERS ORGANISMS 800DISEL 6 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS FROM CENTRALITY ENGINEERS ORGANISMS 800DISEL 6 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS FROM CENTRALITY ENGINEERS ORGANISMS 800DISEL 6 ATERNATIVE ENRIGY PRODUCTION 80 OFFEIS FROM CENTRALITY ENGINEERS ORGANISMS 800DISEL 80 OFFEI	C11C.3/10 C12P.7/68/ C10L.1/0Z.A.1/182 C10L.1/0Z.A.1/182 C12P.7/68-7/14 C02P.3/28.A.11/04 C10L.3/00 C12M.1/107 C12M.1/107 C12M.1/107 C12M.1/107 C12M.1/107 C12M.1/107 C12M.1/107	pure green pure green pure green pure green pure green pure green pure green pure green pure green
A INTERNATIVE ENRIGY PRODUCTION BIO-FIELS LIQUID FUELS BIOCHTANOL	C104.1/02.J t /182 C128/0/24/14 C128 7/06/7/14 C207.00.10 C207.00.10 C128.1/10	pure green pure green pure green pure green pure green pure green pure green pure green
4 A LIERANTHE ENRICHY PRODUCTION BO-FUELS LQUID FUELS BOCHANG 3 ALTERNATHE ENRICHY PRODUCTION BO-FUELS LQUID FUELS BOCKAS 3 ALTERNATHE ENRICHY PRODUCTION BO-FUELS LQUID FUELS BOCKAS 3 ALTERNATHE ENRICHY PRODUCTION BO-FUELS BOCKAS 3 ALTERNATHE ENRICHY PRODUCTION BO-FUELS BOCKAS 4 ALTERNATHE ENRICHY PRODUCTION BO-FUELS BOCKAS 5 ALTERNATHE ENRICHY PRODUCTION BO-FUELS BOCKAS 5 ALTERNATHE ENRICHY PRODUCTION BO-FUELS FROM GENETICALLY ENGINEERED ORGANISMS 6 ALTERNATHE ENRICHY PRODUCTION BO-FUELS FROM GENETICALLY ENGINEERED ORGANISMS 7 ALTERNATHE ENRICHY PRODUCTION BIO-FUELS FROM GENETICALLY ENGINEERED ORGANISMS 8 ALTERNATHE ENRICHY PRODUCTION BIO-FUELS FROM GENETICALLY ENGINEERED ORGANISMS 9 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 1 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 1 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 1 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 2 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 3 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 4 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 5 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 5 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 5 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 5 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 5 ALTERNATHE ENRICHY PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 5 ALTERNATHE ENRICH PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 5 ALTERNATHE ENRICH PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 5 ALTERNATHE ENRICH PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 5 ALTERNATHE ENRICH PRODUCTION FUEL CLELLS FROM GENETICALLY ENGINEERED ORGANISMS 5 ALTERNATHE ENRICH	C12N 9/24 C12P 7/06-7/14 C02P 3/28, 1 1/04 C101.3/00 C12N 1/180 C12N 1/185, 1/21, 3/5/10, 15/00 A011 C10.3/00	pure green pure green pure green pure green pure green pure green pure green
4 ATERNATIVE ENRIGY PRODUCTION BO-FUELS BIOCAS ATERNATIVE ENRIGY PRODUCTION BO-FUELS BIOCAS ATERNATIVE ENRIGY PRODUCTION BO-FUELS BIOCAS ATERNATIVE ENRIGY PRODUCTION BIO-FUELS FROM GENETICALLY INCRREBERD ORGANEMS ATERNATIVE ENRIGY PRODUCTION BIO-FUELS FROM GENETICALLY INCRREBERD ORGANEMS ATERNATIVE ENRIGY PRODUCTION BIO-FUEL GICCO ATERNATIVE ENRIGY PRODUCTION BIO-FUEL GICCO ATERNATIVE ENRIGY PRODUCTION FUEL GENERAL PRODUCTION FUEL GICCO ATERNATIVE ENRIGY PRODUCTION FUEL GENERAL PRODUCTION FUEL FUEL FUEL FUEL FUEL FUEL FUEL FUEL	C12P 7/06-7/14 C02P 3/28,Å11/04 C101.3/00 C122M 1/107 C12P 5/02 C12N 1/13Å 1/15Å 1/21Å 5/10Å 15/00 A01H C101.3/00	pure green pure green pure green pure green pure green
A LITRIANTHE ENRICHY PRODUCTION BIO-FUELS BIOCAS	C02F 3/28 Å 11/04 C101.3/00 C12M 1/107 C12F 5/02 C12N 1/13Å 1/15Å 1/21Å 5/10Å 15/00 A01H C101.3/00	pure green pure green pure green pure green
A LITRIANTIVE ENRICEY PRODUCTION BIO-FUELS BIOCAS	C10L 3/00 C12M 1/107 C12P 5/02 C12N 1/13Å 1/15Å 1/21Å 5/10Å 15/00 A01H C10L 3/00	pure green pure green pure green
A LITRIANTINE ENRICELY PRODUCTION BO-FUELS BIOCAS A LITRIANTINE ENRICELY PRODUCTION BO-FUELS BIOCAS A LITRIANTINE ENRICELY PRODUCTION BO-FUELS BIOCAS A LITRIANTINE ENRICELY PRODUCTION BO-FUELS FROM CENTER ALLY ENGINEER ORGANISMS A LITRIANTINE ENRICELY PRODUCTION BO-FUEL (ECC.) LATERNATIVE ENRICELY PRODUCTION BIOCASS BIO	C12M 1/107 C12P 5/02 C12N 1/13,Å 1/15,Å 1/21,Å 5/10,Å 15/00 A01H C10L 3/00	pure green pure green
A LIERNATIVE ENRECY PRODUCTION BIO-QUELS BIOCAS	C12P 5/02 C12N 1/13,Å 1/15,Å 1/21,Å 5/10,Å 15/00 A01H C101. 3/00	pure green
A LIERNATIVE ENERGY PRODUCTION 80-FUELS FROM GENETICALLY ENGINEERID ORGANISMS	C12N 1/13, 1/15, 1/21, 5/10, 15/00 A01H C10L 3/00	pure green
A IRRANTHE ENRERY PRODUCTION NTRIGATED CASPECATION COMBINED CYCLE (ICCC)	A01H C10L 3/00	
2 ALTERNATIVE ENRICEY PRODUCTION INTEGRATED CASRICATION COMBINED CYCLE (ICCC) ALTERNATIVE ENRICEY PRODUCTION FULL CLEAS ALTERNATIVE ENRICEY PRODUCTION FULL CLEAS ALTERNATIVE ENRICEY PRODUCTION FULL CLEAS ALTERNATIVE ENRICEY PRODUCTION FULL CLEAS ALTERNATIVE ENRICEY PRODUCTION FULL CLEAS ALTERNATIVE ENRICEY PRODUCTION FULL CLEAS WITHIN HYBERD CREATED CR	C10L 3/00 E00C 3/28	pure green
2 ALTERNATIVE ENERGY PRODUCTION FULL CELLS ALTERNATIVE ENERGY PRODUCTION FULL CELLS ALTERNATIVE ENERGY PRODUCTION FULL CELLS ELECTRODES ALTERNATIVE ENERGY PRODUCTION FULL CELLS NON-ACTIVE PARTS ALTERNATIVE ENERGY PRODUCTION FULL CELLS NON-ACTIVE PARTS ALTERNATIVE ENERGY PRODUCTION FULL CELLS NON-ACTIVE PARTS WITHIN HYBRID CELLS WITHIN HYBRID CELLS ALTERNATIVE ENERGY PRODUCTION PRODUCTION FULL CELLS WITHIN HYBRID CELLS ALTERNATIVE ENERGY PRODUCTION PRODUCTION PRODUCTION FULL CELLS ALTERNATIVE ENERGY PRODUCTION PR		fuel efficiency
3 ALTERNATIVE ENERGY PRODUCTION FULL CELLS ELECTROOPS ALTERNATIVE ENERGY PRODUCTION FULL CELLS ELECTROOPS ALTERNATIVE ENERGY PRODUCTION FULL CELLS ELECTROOPS ALTERNATIVE ENERGY PRODUCTION FULL CELLS NON-ACTIVE PARTS ALTERNATIVE ENERGY PRODUCTION FULL CELLS WITH HYBRID CELLS ALTERNATIVE ENERGY PRODUCTION FULL CELLS WITH HYBRID CELLS ALTERNATIVE ENERGY PRODUCTION FULL CELLS	PUZC, 3/20	fuel efficiency
3 ALTERNATIVE ENERGY PRODUCTION FULL CELLS NON-ACTIVE PARTS 3 ALTERNATIVE ENERGY PRODUCTION FULL CELLS WITHIN HYBRID CELLS 4 ALTERNATIVE ENERGY PRODUCTION PARTS 5 ALTERNATIVE ENERGY PRODUCTION PARTS 6 ALTERNATIVE ENERGY PRODUCTION PROD	H01M 4/86-4/98, 8/00-8/24, 12/00-12/08	pure green
3 ALTERNATIVE ENERGY PRODUCTION FULL CELLS NON-ACTIVE PARTS ALTERNATIVE ENERGY PRODUCTION FULL CELLS WITHIN HYBRID CELLS 2 ALTERNATIVE ENERGY PRODUCTION PROLISS OR GASHECATION OF BIOMASS 2 ALTERNATIVE ENERGY PRODUCTION PROLISS OR GASHECATION OF BIOMASS	H01M 4/86-4/98 H01M 4/86-4/98	pure green
3 ALTERNATIVE ENERGY PRODUCTION FUEL CELLS WITHIN HYBRID CELLS 2 ALTERNATIVE ENERGY PRODUCTION PROCUSS OR CASHICATION OF BIOMASS 2 ALTERNATIVE ENERGY PRODUCTION PROCUSS OR CASHICATION OF BIOMASS	H01M 8/00-8/24 Å 50/00-50/171	pure green pure green
2 ALTERNATIVE ENERGY PRODUCTION PYROLYSIS OR GASHICATION OF BIOMASS 2 ALTERNATIVE ENERGY PRODUCTION PYROLYSIS OR GASHICATION OF BIOMASS	H01M 12/00-12/08	pure green
2 ALTERNATIVE ENERGY PRODUCTION PYROLYSIS OR GASIFICATION OF BIOMASS	C10B 53/00	pure green
	C10J	pure green
3 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE AGRICULTURAL WASTE	C10L 5/00	pure green
4 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE AGRICULTURAL WASTE FUEL FROM ANIMAL WASTE AND CROP RESIDUES	C10L 5/42, 5/44	pure green
4 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE AGRICULTURAL WASTE INCINERATORS FOR FIELD, GARDEN OR WOOD WASTE	F23G 7/00, 7/10	pure green
3 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE GASIFICATION	C10J 3/02,Å 3/46	fuel efficiency
3 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANAMADE WASTE GASPICATION ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANAMADE WASTE GASPICATION ASPICAL PROPULS FROM FROM THE STREET OF THE STREET	F23B 90/00 F23G 5/027	fuel efficiency fuel efficiency
3 ALTERNATIVE ENERGY PRODUCTION HARNESING ENERGY FROM MANMADE WASTE GASFICATION ALTERNATIVE ENERGY PRODUCTION HARNESING ENERGY FROM MANMADE WASTE CHEMICAL WASTE	F23G 5/0Z/ B09B 3/00	pure green
3 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE CHEMICAL WASTE	F23G 7/00	pure green
3 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE INDUSTRIAL WASTE	C10L 5/48	pure green
3 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE INDUSTRIAL WASTE	F23G 5/00, 7/00	Dilling Groven
4 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE INDUSTRIAL WASTE USING TOP GAS IN BLAST FURNACES TO POWER PIG-IRON PRODUCTION	C21B 5/06	fuel efficiency
4 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE INDUSTRIAL WASTE PULP LIQUORS	D21C 11/00	pure green
4 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE INDUSTRIAL WASTE ANAEROBIC DIGISTION OF INDUSTRIAL WASTE	A62D 3/02	pure green
4 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE INDUSTRIAL WASTE ANAEROBIC DIGESTION OF INDUSTRIAL WASTE	C02F 11/04, 11/14	pure green
4 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE INDUSTRIAL WASTE INDUSTRIAL WASTE	F23G 7/00, 7/10	pure green
3 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANAMADE WASTE HOSPITAL WASTE ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANAMADE WASTE HOSPITAL WASTE	B09B 3/00 F23G 5/00	pure green pure green
A LI ENVATUE ENERGI I RODOCTION HARNESING ENERGY FROM MANAGAIDE HOST HAR WATE HOST HOST HAR WATE HOST HOST HAR WATE HOST HAR WATE HOST HAR WATE HOST HOST HOST HOST HOST HOST HOST HOST	F23G 37 00 R09B	fuel efficiency
4 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE LANDFILL GAS SEPARATION OF COMPONENTS	B01D 53/02, Â 53/04, Â 53/047, Â 53/14, Â 53/22, Â 53/24	4 fuel efficiency
3 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE MUNICIPAL WASTE	C10L 5/46	pure green
3 ALTERNATIVE ENERGY PRODUCTION HARNESSING ENERGY FROM MANMADE WASTE MUNICIPAL WASTE	F23G 5/00	pure green
3 ALTERNATIVE ENERGY PRODUCTION HYDRO ENERGY WATER-POWER PLANTS	E02B 9/00-9/06	pure green
4 ALTERNATIVE ENERGY PRODUCTION HYDRO ENERGY WATER-POWER PLANTS TIDE OR WAVE POWER PLANTS	E02B 9/08	pure green
3 ALTERATIVE ENERGY PRODUCTION 17-DRO ENERGY MACHINES OR ENGINES FOR LIQUIDS 3 ALTERATIVE ENERGY PRODUCTION 17-DRO ENERGY MACHINES OR ENGINES FOR LIQUIDS 4 ALTERATIVE ENERGY PRODUCTION 17-DRO ENERGY MACHINES OR ENGINES FOR LIQUIDS	F03B F03C	pure green
3 ALTERATIVE ENERGY PRODUCTION HYDRO ENERGY MACHINES OR ENGINES FOR LIQUIDS 4 ALTERATIVE ENERGY PRODUCTION HYDRO ENERGY MACHINES OR ENGINES FOR LIQUIDS USING WAFE OR TIDE ENERGY	F03C F03B 13/12-13/26	pure green
4 ALTERVATURE PERSON PRODUCTION HAVE EVEN HAVE EVEN BRIGHT STATEMENT REQUISED WHICH SHAPE OF MACHINES OR ENGINES 3 ALTERVATURE PERSON PRODUCTION HAVE OR HELD EVEN HAVE OR HAVE OR HELD EVEN HAVE OR HELD EVEN HA	F03B 15/12-15/20 F03B 15/00-15/22	pure green pure green
3 ALTERNATIVE ENERGY PRODUCTION HYDRO ENERGY PROPULSION OF MARINE VESSELS USING ENERGY DERIVED FROM WATER MOVEMENT	B63H 19/02, 19/04	pure green
2 ALTERNATIVE ENERGY PRODUCTION OCEAN THERMAL ENERGY CONVERSION (OTEC)	F03G 7/05	pure green
2 ALTERNATIVE ENERGY PRODUCTION WIND ENERGY	F03D	pure green
3 ALTERNATIVE ENERGY PRODUCTION WIND ENERGY STRUCTURAL ASSOCIATION OF ELECTRIC GENERATOR WITH MECHANICAL DRIVING MOTOR	H02K 7/18	pure green
3 ALTERNATIVE ENERGY PRODUCTION WIND ENERGY STRUCTURAL ASPECTS OF WIND TURBINES	B63B 35/00	pure green
3 ALTERATIVE ENERGY PRODUCTION WIND ENERGY STRUCTURAL ASPECTS OF WIND TURBINES 3 ALTERATIVE ENERGY PRODUCTION WIND ENERGY STRUCTURAL ASPECTS OF WIND TURBINES 5 TRUCTURAL ASPECTS OF WIND TURBINES 6 TRUCTURAL ASPECTS OF WIND TURBINES	E04H 12/00 F03D 13/00	pure green
3 ALIERARITYE ENERGY PRODUCTION WIND ENERGY STRUCT LIGAL ASPECTS OF WIND TURBINES 3 ALIERARITYE ENERGY PRODUCTION WIND ENERGY PROPULSION OF VEHICLES USING WIND FOWER	F03D 13/00 B60K 16/00	pure green pure green
A LERNATURE SERGI FROUCTION WIND SERGY PROPULSION OF VEHICLES USING WIND FOWER ELECTRIC PROPULSION OF VEHICLES USING WIND POWER	B60L 8/00	pure green
3 ALTERNATIVE ENERGY PRODUCTION WIND ENERGY PROPULSION OF MARINE VESSELS BY WIND-POWERED MOTORS	B63H 13/00	pure green
2 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY	F24S	pure green
2 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY	H02S	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY PHOTOVOLTAICS (PV) DEVICES ADAPTED FOR THE CONVERSION OF RADIATION ENERGY INTO ELECTRICAL ENERGY	H01L 27/142, 31/00-31/078	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR INNECY PHOTOVOLTACS; (PV) DEVICES ADAPTED FOR THE CONVESSION OF RADIATION ENERGY NO TO ELETECAL INNECY. 4 ALTERNATIVE ENERGY PRODUCTION SOLAR INNECY PHOTOVOLTACS; (PV) DEVICES ADAPTED FOR FER ADAPTED FOR FRADIATION ENERGY. TO ELETECAL INNECY.	H01G 9/20 H02S 10/00	pure green
4 ALLERGATIVE ENRICAT PRODUCTION SOLAR ENRICA PHOTOVOLIALS (PV) DEVICES ADAPTED FOR THE CONVERSION OF RADIATION ENRICAT WIND CHECKING ALL RENACT WING ORGANIC MATERIALS AS THE A	H025 10/00 ACTIVE PART H01L 27/30, 51/42-51/48	pure green
5 ALIEROATIVE ENERGY PRODUCTION SOLAR ENERGY PHOTOVOLTAICS (PV) DEVICES ADAPTED PICE THE CONVENSION OF RADIATION ENERGY TO SOLAR ENERGY USING ORGANIC MATERIALS AS THE A ASTERNIZED OF A PUBLIARTY OF SOLAR CELLS	ACTIVE PART H01L 27/30,A 51/42-51/48 H01L 25/00, 25/03, 25/16, 25/18, 31/042	pure green
4 ALERNATIVE ENERGY PRODUCTION SOLAR ENERGY PHOTOVOLTAGE (PV) SEEDINGS OF STANDARD SOLAR CELES ALERNATIVE ENERGY PHOTOVOLTAGE (PV) SELECON; STORE OF STANDARD SOLAR CELES ALERNATIVE ENERGY S	C01B 33/02	pure green pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY PHOTOVOLTAICS (PV) SILICON: SINGLE-CRYSTAL GROWTH	C23C 14/14, 16/24	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY PHOTOVOLTAICS (PV) SILICON; SINGLE-CRYSTAL GROWTH	C30B 29/06	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY PHOTOVOLTAICS (PV) REGULATING TO THE MAXIMUM POWER AVAILABLE FROM SOLAR CELLS	G05F 1/67	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY PHOTOVOLTAICS (PV) ELECTRIC LIGHTING DEVICES WITH, OR RECHARGEABLE WITH, SOLAR CELLS	F21L 4/00	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY PHOTOVOLTAICS (PV) ELECTRIC LIGHTING DEVICES WITH, OR RECHARGEABLE WITH, SOLAR CELLS	F21S 9/03	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLA EINERCY PHOTOVOLTACS (PV) CHARGING BATTERIES ALTERNATIVE ENERGY PRODUCTION SOLAR EINERCY PHOTOVOLTACS (PV) DEFENSITIES SOLAR CELLS (DSC)	H02J 7/35 H01G 9/20	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY PHOTOVOLTAGS (PV) DYS-SENSTIESE DOLAR CELLS (DSC) 4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY PHOTOVOLTAGS (PV) DYS-SENSTIESE DOLAR CELLS (DSC)	H01G 9/20 H01M 14/00	pure green pure green
4 ALLERNATIVE EXPROJUCTION SOLAR EXPROJ PROJUCTION SOLAR EXPROJ USE OF SOLAR HEAT	F24S	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY USE OF SOLAR HEAT FOR DOMESTIC HOT WATER SYSTEMS	F24D 17/00, 18/00	pure green
4 ALEENATIVE ENERGY PRODUCTION SOLAR ENERGY USE OF SOLAR HEAT FOR SPACE HEATING	F24D 3/00, 5/00, 11/00, 19/00	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY USE OF SOLAR HEAT FOR SWIMMING POOLS	F24S 90/00	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY USE OF SOLAR HEAT SOLAR UPDRAFT TOWERS	F03D 1/04, Å 9/00, Å 13/20	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY USE OF SOLAR HEAT SOLAR UPDRAFT TOWERS	F03G 6/00	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY LISE OF SOLAR HEAT FOR TREATMENT OF WATER WATER OR SLUDGE	C02F 1/14	pure green
4 ALTERNATIVE ENERGY PRODUCTION SOLAE ENERGY USE OF SOLAE HEAT GAS TURRINE POWER PLANTS USING SOLAE HEAT SOURCE 3 ALTERNATIVE ENERGY PRODUCTION SOLAE HEAT SOURCE 4 ALTERNATIVE ENERGY PRODUCTION SOLAE HEAT SOURCE 5 ALTERNATIVE ENERGY PRODUCTION SO	F02C 1/05 H01L 31/0525	pure green
3 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY HYBRID SOLAR THEBMAL-PV SISTEMS 3 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY HYBRID SOLAR THEBMAL-PV SISTEMS	H01L 31/0525 H02S 40/44	pure green
3 ALTERCATIVE ENERGY PRODUCTION SOLAR ENERGY HYBRID 201AR THERMAL-IV SYSTEMS 3 ALTERCATIVE ENERGY PRODUCTION SOLAR ENERGY PROPULSION OF PRHICE SURING SOLAR FOWER	H025 40/44 B60K 16/00	pure green pure green
3 ALLERNATIVE ENERGY PRODUCTION SOLAR ENERGY PROTEINS OF VEHICLES USING SOLAR POWER 4 ALTERNATIVE ENERGY PRODUCTION SOLAR POWER 5 PROTEINS OF VEHICLES USING SOLAR POWER 6 ELECTRIC PROPULSION OF VEHICLES USING SOLAR POWER	B60L 8/00	pure green
3 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY PRODUCING MECHANICAL POWER FROM SOLAR ENERGY	F03G 6/00-6/06	pure green
3 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY ROOF COVERING ASPECTS OF ENERGY COLLECTING DEVICES	E04D 13/00, 13/18	pure green
	F22B 1/00	pure green
3 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY STEAM GENERATION USING SOLAR HEAT	F24V 30/00	pure green
3 ALTERNATIVE ENERGY PRODUCTION SOLAR INERCY STEAM GENERATION USING SOLAR HEAT 3 ALTERNATIVE ENERGY PRODUCTION SOLAR INERCY STEAM GENERATION USING SOLAR HEAT 4 ALTERNATIVE ENERGY PRODUCTION SOLAR INERCY STEAM GENERATION USING SOLAR HEAT		
3 ALTERNATIVE ENERGY PRODUCTION SOLAR ENERGY STEAM GENERATION USING SOLAR HEAT	F24V 30/00 F25B 27/00 F26B 3/00.Å 3/28	pure green pure green

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Leve		Topic L2	Topic L3	Topic L4 T	Topic L5 IPC codes	Category
3	ALTERNATIVE ENERGY PRODUCTION	SOLAR ENERGY SOLAR ENERGY	SOLAR CONCENTRATORS SOLAR PONDS		G02B 7 / 183 F24S 10 / 10	pure green pure green
2	ALTERNATIVE ENERGY PRODUCTION ALTERNATIVE ENERGY PRODUCTION	SOLAR ENERGY GEOTHERMAL ENERGY			F24T	pure green
3	ALTERNATIVE ENERGY PRODUCTION	GEOTHERMAL ENERGY	USE OF GEOTHERMAL HEAT		F01K	pure green
3	ALTERNATIVE ENERGY PRODUCTION ALTERNATIVE ENERGY PRODUCTION	GEOTHERMAL ENERGY	USE OF GEOTHERMAL HEAT		F24F 5/00	pure green
3	ALTERNATIVE ENERGY PRODUCTION	GEOTHERMAL ENERGY GEOTHERMAL ENERGY	USE OF GEOTHERMAL HEAT USE OF GEOTHERMAL HEAT		F24T 10/00-50/00 H02N 10/00	pure green pure green
3	ALTERNATIVE ENERGY PRODUCTION	GEOTHERMAL ENERGY	USE OF GEOTHERMAL HEAT		F25B 30/06	pure green
3	ALTERNATIVE ENERGY PRODUCTION	GEOTHERMAL ENERGY	PRODUCTION OF MECHANICAL POWER FROM GEOTHERMAL ENERGY		F03G 4/00-4/06, 7/04	pure green
2	ALTERNATIVE ENERGY PRODUCTION	OTHER PRODUCTION OR USE OF HEAT, NOT DERIVED FROM COMBUSTION, E.G. NATURAL HEAT			F24T 10/00-50/00	pure green
2	ALTERNATIVE ENERGY PRODUCTION	OTHER PRODUCTION OR USE OF HEAT, NOT DERIVED FROM COMBUSTION, E.G. NATURAL HEAT OTHER PRODUCTION OR USE OF HEAT, NOT DERIVED FROM COMBUSTION, E.G. NATURAL HEAT	HEAT PUMPS IN CENTRAL HEATING SYSTEMS USING HEAT ACCUMULATED IN STORAGE MASSES		F24V 30/00-50/00 F24D 11/02	pure green pure green
3	ALTERNATIVE ENERGY PRODUCTION	OTHER PRODUCTION OR USE OF HEAT, NOT DERIVED FROM COMBUSTION, E.G.A NATURAL HEAT	HEAT PUMPS IN OTHER DOMESTIC- OR SPACE-HEATING SYSTEMS		F24D 11/02	pure green
3	ALTERNATIVE ENERGY PRODUCTION	OTHER PRODUCTION OR USE OF HEAT, NOT DERIVED FROM COMBUSTION, E.G. NATURAL HEAT	HEAT PUMPS IN DOMESTIC HOT-WATER SUPPLY SYSTEMS		F24D 17/02, 18/00	pure green
3	ALTERNATIVE ENERGY PRODUCTION	OTHER PRODUCTION OR USE OF HEAT, NOT DERIVED FROM COMBUSTION, E.G. NATURAL HEAT	AIR OR WATER HEATERS USING HEAT PUMPS		F24H 4/00	pure green
3	ALTERNATIVE ENERGY PRODUCTION	OTHER PRODUCTION OR USE OF HEAT, NOT DERIVED FROM COMBUSTION, E.G. NATURAL HEAT	HEAT PUMPS		F25B 30/00	pure green
3	ALTERNATIVE ENERGY PRODUCTION ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT USING WASTE HEAT	TO PRODUCE MECHANICAL ENERGY OF COMBUSTION ENGINES		F01K 27/00 F01K 23/06-23/10	pure green fuel efficiency
3	ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT	OF COMBUSTION ENGINES		F01N 5/00	fuel efficiency
3	ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT	OF COMBUSTION ENGINES		F02G 5/00-5/04	fuel efficiency
3	ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT	OF COMBUSTION ENGINES		F25B 27/02	fuel efficiency
3	ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT USING WASTE HEAT	OF STEAM ENGINE PLANTS OF GAS, TURRING PLANTS		F01K 17/00, 23/04 F02C 6/18	fuel efficiency fuel efficiency
3	ALTERNATIVE ENERGY PRODUCTION ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT	OF GAS-TURBINE PLANTS AS SOURCE OF ENERGY FOR REFRIGERATION PLANTS		F25B 27/02	pure green
3	ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT	FOR TREATMENT OF WATER, WASTE WATER OR SEWAGE		C02F 1/16	pure green
3	ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT	RECOVERY OF WASTE HEAT IN PAPER PRODUCTION		D21F 5/20	pure green
3	ALTERNATIVE ENERGY PRODUCTION ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT USING WASTE HEAT	FOR STEAM GENERATION BY EXPLOITATION OF THE HEAT CONTENT OF HOT HEAT CARRIERS RECUPERATION OF HEAT ENERGY FROM WASTE INCINERATION		F22B 1/02 F23G 5/46	pure green pure green
3	ALTERNATIVE ENERGY PRODUCTION ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT	ENERGY RECOVERY IN AIR CONDITIONING		F24F 12/00	pure green
3	ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT	ARRANGEMENTS FOR USING WASTE HEAT FROM FURNACES, KILNS, OVENS OR RETORTS		F27D 17/00	pure green
3	ALTERNATIVE ENERGY PRODUCTION ALTERNATIVE ENERGY PRODUCTION	USING WASTE HEAT USING WASTE HEAT	REGENERATIVE HEAT-EXCHANGE APPARATUS OF GASIFICATION PLANTS		F28D 17/00-20/00 C10J 3/86	pure green
2	ALTERNATIVE ENERGY PRODUCTION ALTERNATIVE ENERGY PRODUCTION	DEVICES FOR PRODUCING MECHANICAL POWER FROM MUSCLE ENERGY	OF GASIFICATION PLANTS		F03G 5/00-5/08	pure green pure green
3	TRANSPORTATION	VEHICLES IN GENERAL VEHICLES IN GENERAL	HYBRID VEHICLES, E.G. HYBRID ELECTRIC VEHICLES (HEVS) HYBRID VEHICLES, E.G. HYBRID ELECTRIC VEHICLES (HEVS)		B60K 6/00, 6/20	pure green
4	TRANSPORTATION	VEHICLES IN GENERAL	HYBRID VEHICLES, E.G. HYBRID ELECTRIC VEHICLES (HEVS)	CONTROL SYSTEMS	B60W 20/00	pure green
4	TRANSPORTATION	VEHICLES IN GENERAL	HYBRID VEHICLES, E.G. HYBRID ELECTRIC VEHICLES (HEVS) BRUSHLESS MOTORS	GEARINGS THEREFOR	F16H 3/00-3/78, 48/00-48/30 H02K 29/08	pure green efficiency - unma
3	TRANSPORTATION TRANSPORTATION	VEHICLES IN GENERAL VEHICLES IN GENERAL	ELECTROMAGNETIC CLUTCHES		H02K 49/10	efficiency - unma
3	TRANSPORTATION	VEHICLES IN GENERAL	REGENERATIVE BRAKING SYSTEMS		B60L 7/10-7/22	efficiency - unma
3	TRANSPORTATION TRANSPORTATION	VEHICLES IN GENERAL VEHICLES IN GENERAL	ELECTRIC PROPULSION WITH POWER SUPPLY FROM FORCE OF NATURE, E.G. SUN, WIND ELECTRIC PROPULSION WITH POWER SUPPLY EXTERNAL TO VEHICLE		B60L 8/00	pure green
3	TRANSPORTATION	VEHICLES IN GENERAL	ELECTRIC PROPULSION WITH POWER SUPPLY EXTERNAL TO VEHICLE		B60L 9/00	pure green
4 3	TRANSPORTATION TRANSPORTATION	VEHICLES IN GENERAL VEHICLES IN GENERAL	ELECTRIC PROPULSION WITH POWER SUPPLY EXTERNAL TO VEHICLE COMBUSTION ENGINES OPERATING ON GASEOUS FUELS, E.G. HYDROGEN	WITH POWER SUPPLY FROM FUEL CELLS, E.G. FOR HYDROGEN VEHICLES	B60L 50/50-58/40 F02B 43/00	pure green fuel efficienc
3	TRANSPORTATION	VEHICLES IN GENERAL	COMBUSTION ENGINES OPERATING ON GASEOUS FUELS, E.G. HYDROGEN		F02M 21/02, 27/02	fuel efficien
3	TRANSPORTATION	VEHICLES IN GENERAL	POWER SUPPLY FROM FORCE OF NATURE, E.G. SUN, WIND		B60K 16/00	pure green
3	TRANSPORTATION	VEHICLES IN GENERAL	CHARGING STATIONS FOR ELECTRIC VEHICLES		H02J 7/00	pure green
3	TRANSPORTATION TRANSPORTATION	VEHICLES OTHER THAN RAIL VEHICLES VEHICLES OTHER THAN RAIL VEHICLES	DRAG REDUCTION DRAG REDUCTION		B62D 35/00, 35/02 B63B 1/34-1/40	efficiency - unma
3	TRANSPORTATION	VEHICLES OTHER THAN RAIL VEHICLES VEHICLES OTHER THAN RAIL VEHICLES	HUMAN-POWERED VEHICLE		B62K	efficiency - unma pure green
3	TRANSPORTATION	VEHICLES OTHER THAN RAIL VEHICLES	HUMAN-POWERED VEHICLE		B62M 1/00, Å 3/00, Å 5/00, Å 6/00	pure green
2	TRANSPORTATION	RAIL VEHICLES			B61	efficiency - unmat
3	TRANSPORTATION TRANSPORTATION	RAIL VEHICLES	DRAG REDUCTION		B61D 17/02 B63H 9/00	efficiency - unmat
3	TRANSPORTATION	MARINE VESSEL PROPULSION MARINE VESSEL PROPULSION	PROPULSIVE DEVICES DIRECTLY ACTED ON BY WIND PROPULSION BY WIND-POWERED MOTORS		B63H 13/00	pure green pure green
3	TRANSPORTATION	MARINE VESSEL PROPULSION	PROPULSION USING ENERGY DERIVED FROM WATER MOVEMENT		B63H 19/02. 19/04	pure green
3	TRANSPORTATION	MARINE VESSEL PROPULSION	PROPULSION BY MUSCLE POWER		B63H 16/00	pure green
3	TRANSPORTATION	MARINE VESSEL PROPULSION COSMONAUTIC VEHICLES USING SOLAR ENERGY	PROPULSION DERIVED FROM NUCLEAR ENERGY		B63H 21/18	pure green
2	TRANSPORTATION				B64G 1/44	pure green pure green
		STORAGE OF ELECTRICAL ENERGY				
2	ENERGY CONSERVATION ENERGY CONSERVATION	STORAGE OF ELECTRICAL ENERGY STORAGE OF ELECTRICAL ENERGY			B60K 6/28 B60W 10/26	
2	ENERGY CONSERVATION ENERGY CONSERVATION	STORAGE OF ELECTRICAL ENERGY STORAGE OF ELECTRICAL ENERGY STORAGE OF ELECTRICAL ENERGY			B60W 10/26 H01M 10/44-10/46	pure greer pure greer
2 2 2	ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION	STORAGE OF ELECTRICA LENERGY STORAGE OF ELECTRICA LENERGY STORAGE OF ELECTRICA LENERGY STORAGE OF ELECTRICA LENERGY			B60W 10/26 H01M 10/44-10/46 H01G 11/00	pure greer pure greer pure greer
2 2 2 2	ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION	STORAGE OF ELECTRICA LENERCY STORAGE OF ELECTRICA LENERCY STORAGE OF ELECTRICAL ENERGY STORAGE OF ELECTRICAL ENERGY STORAGE OF ELECTRICAL ENERGY			B60W 10/26 H01M 10/44-10/46 H01G 11/00 H02J 3/28, 7/00, 15/00	pure green pure green pure green pure green
2 2 2 2 2 2 3	ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION	STORAGE OF ELECTRICAL ENTERCY TOWER SUPPLY CIRCUITRY POWER SUPPLY CIRCUITRY POWER SUPPLY CIRCUITRY	WITH POWER SAVING MODES		B60W 10/26 H01M 10/44-10/46 H01G 11/00 H02J 3/28, 7/00, 15/00 H02J H02J 9/00	pure greer pure greer pure greer pure greer pure greer
2 2 2 2 2 3 2	ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION ENERGY CONSERVATION	STORAGE OF BECTRICAL ENTERCY STORAGE OF BECTRICAL INNERCY STORAGE OF BECTRICAL INNERCY STORAGE OF BECTRICAL ENTERCY STORAGE OF BECTRICAL ENTERCY FOWER SUPPLY CIRCUITES MAGNITUDE OF STORAGE OF BECTRICAL STORAGE MAGNITUDE OF BECTRICAL STORAGE MAGNITU	WITH POWER SAVING MODES		B60W 10/26 H01M 10/44-10/46 H01G 11/00 H02] 3/28,Å 7/00,Å 15/00 H02] H02] 9/00 B60L 3/00	pure greer pure greer pure greer pure greer pure greer pure greer pure greer
2 2 2 2 2 3 2 2	ENERGY CONSERVATION	STORAGE OF ELECTRICAL ENTERCY ENTERCEDIATE OF ELECTRICAL ENTERCY DEVELOPMENT OF ELECTRICAL ENTERCY MEASUREMENT OF ELECTRICATY CONSUMPTION MEASUREMENT OF ELECTRICATY CONSUMPTION	WITH POWER SAVING MODES		B60W 10/26 H01M 10/4+10/46 H01G 11/40 H02J 3/28,Ā 7/00,Ā 15/00 H02J 9/00 B60L 3/00 G01R	pure gree pure gree pure gree pure gree pure gree pure gree pure gree pure gree
2 2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ENERGY CONSERVATION	STORAGE OF BEETINGAL ENERGY POWER SUPPLY CIRCUITING MEASUREMENT OF BEETINGAL ENERGY MEASUREMENT OF BEETINGAL ENERGY MEASUREMENT OF BEETINGAL ENERGY STORAGE OF THERMAL ENERGY	WITH POWER SAVING MODES		B60W 10/26 H01M 10/44-10/46 H01G 11/00 H02] 3/28,Ä 7/00,Ä 15/00 H02] 9/00 B60L 3/00 G01R COSK 5/00	pure greer pure greer pure greer pure greer pure greer pure greer pure greer pure greer
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ENIERGY CONSERVATION	STORAGE OF BELETINGAL ENTERCY FOWER SUPPLY CRECUITRY POWER SUPPLY CRECUITRY MEASUREMENT OF BELETINGTY CONSUMPTION MEASUREMENT OF BELETINGTY CONSUMPTION STORAGE OF THERMAL ENTERCY STORAGE OF THERMAL ENTERCY STORAGE OF THERMAL ENTERCY			B60W 10/26 H01M 10/44-10/46 H01G 11/00 H02] 3/28,Ā 7/00,Å 15/00 H02] 9/00 B60L 3/00 G01R C09K 5/00 F24H 7/100	pure green
2 2 2 2 2 2 2 2 3	ENERGY CONSERVATION	STORAGE OF BEETINGAL ENERGY FOWER SUPPLY CIRCUITRY DOWNES SUPPLY CIRCUITRY MAGNIFICATION OF BEETINGAT CONSIMITION MAGNIFIMM OF BELETINGATY CONSIMITION MAGNIFIMM OF BELETINGATY CONSIMITION STORAGE OF THERMAL ENERGY STORAGE OF THE THERMAL ENERGY STORAGE OF THE THERMAL ENERGY STORAGE OF THE THERM	ELECTROLLMINISCENT LIGHT SOURCES (E.G. LEDS. OLEDS PLEDS)		B60W 10/26 H01M 10/44-10/46 H01G 11/00 H02J 7/26,Å 7/00,Å 15/00 H02J 9/00 B60L 3/00 G01R CDW 5/00 F28D 20/10/Å, 20/00 F28D 20/10/Å, 20/00 F28D 20/10/Å, 20/00	pure greer
2 2 2 2 3 2 2 2 2 3 3 3	ENERGY CONSERVATION	STORAGE OF ELECTRICAL ENTERCY FOWER SUPPLY CIRCUITRY POWER SUPPLY CIRCUITRY MEASUREMENT OF ELECTRICITY CONSUMPTION MEASUREMENT OF ELECTRICITY CONSUMPTION STORAGE OF HIERBAL ENTERCY STORAGE OF HIE	ELECTROLLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEES, FLEES) ELECTROLLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEES, FLEES)		B60W 10/26 H010M 10/44-10/46 H01G 11/00 H02] 3/28 Å 7 700 Å 15 00 H02] 9/00 B601, 3/00 C013/00 F2H 7/00 F2H 9/00 F2H 12/00 F2H 14/00 F2H 14/00 F2H 14/00 F2H 14/00 F2H 14/00	pure greer
2 2 2 2 2 2 2 2 2 3 3 3 3 3	ENERGY CONSERVATION	STORAGE OF BEETINGAL ENERGY POWER SUPPLY CIRCUITING MEASUREMENT OF BELCTINGAL ENERGY MEASUREMENT OF BELCTINGAL ENERGY STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY LOW ENERGY LIGHTING LUW ENERGY LIGHTING	ELECTROLLMINISCENT LIGHT SOURCES (E.G. LEDS, OLEDS, FLEDS) ELECTROLLMINISCENT LIGHT SOURCES (E.G. LEDS, OLEDS, FLEDS) ELECTROLLMINISCENT LIGHT SOURCES (E.G. LEDS, OLEDS, FLEDS)		B60W 10/26 HUIM 10/44-10/46 HUIC 31/26.4 7/10/6. 15/00 HUIZ 37/26.4 7/10/6. 15/00 B601.3/00 G01 R C00% S/00 F24H7/00 F24H2/00 10/6.2 30/02 F21L4/02 HUIL3/00-33/64.5 15/00	pure greer
2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3	BNERGY CONSERVATION BNERGY CONSERVATION DNERGY CONSERVATION	STORAGE OF ELECTRICAL ENTERCY FOWER SUPPLY CRECUITRY POWER SUPPLY CRECUITRY MEASUREMENT OF ELECTRICITY CONSUMPTION MEASUREMENT OF ELECTRICITY CONSUMPTION STORAGE OF HERBOAL ENTERCY STORAGE OF HERBOAL ENTERCY STORAGE OF HERBOAL ENTERCY LOW ENTERCY LIGHTHING	ELECTROLLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEES, FLEES) ELECTROLLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEES, FLEES)		B66W 10/26 H010 11/40 14/06 H010 11/40 14/06 H010 14/07 14/07 H013 14/07 H013 14/07 G018 16/07 F014 14/07 F015 20/06, 20/07 F115 20/07, 20/07, 20/07 F115 20/07, 20/0	pure greer
2 2 2 2 2 2 2 3 3 3 3 2 2 3 3 3 3 2 3	BNERGY CONSERVATION	STORAGE OF BEETINGAL ENERGY FOWER SUPPLY CIRCUITRY MEASUREMENT OF BEETINGAL ENERGY MAGNIFICATION MASSIREMENT OF BELGTICITY CONSUMPTION MASSIREMENT OF BELGTICITY CONSUMPTION STORAGE OF THERMAL ENERGY STORAGE OF THERMAL STORAGE OF THE THERMAL STORAGE OF THERMAL STORAGE O	ELECTROLLMINESCENT LICHT SOURCES (E.C. LEDS, OLEDS, PLEDS) INSULATING BUILDING, ELEMENTS INSULATING BUILDING, ELEMENTS		B60W 10/26 H010 11/40/46 H010 21/20/47 11/00 H023/20/47 70/4.15/00 B601.3/00 G018/20 G018/20 G018/20 G018/20 G018/20 F211.4/02 F211.8/9/00 F211.4/02 H011.33/00/33/64.31/50 B018/20/31/41/32/32/84/3/96 E004.1/40/31/41/34/32/34/3/	pure greer efficiency - unm
2 2 2 3 2 2 2 2 3 3 3 3 3 4 4	BNERGY CONSERVATION	STORAGE OF BEETINGAL ENERGY FOWER SUPPLY CIRCUITRY MEASUREMENT OF BEETINGAL ENERGY MAGNIFICATION MASSIREMENT OF BELGTICITY CONSUMPTION MASSIREMENT OF BELGTICITY CONSUMPTION STORAGE OF THERMAL ENERGY STORAGE OF THERMAL STORAGE OF THE THERMAL STORAGE OF THERMAL STORAGE O	ELECTROLLMINESCENT LICHT SOURCES (E.C. LEDS, OLEDS, PLEDS) INSULATING BUILDING, ELEMENTS INSULATING BUILDING, ELEMENTS	FOR DOOR OR WINDOW OPENINGS	B60W 10/26 HBID 11/40 46 HBID 11/40 HBID 11/40 HBID 11/40 HBID 11/40 B60L 3/00 B60L 3/00 COWK 5/00 FERH 2/00 FERH 2/00 FERH 2/00 FERH 2/00 FERH 2/00 FERH 3/00/24 64, 51/50 BBID 1/62Å 17/64 1/96Å 1/96Å 1/96 BBID 1/62Å 17/64 1/96Å 1/96Å 1/96Å 1/96Å 1/96 BBID 1/62Å 17/64 1/96Å 1	pure greer efficiency - umm
2 2 2 2 2 2 2 3 3 3 3 4 4 4 4	ENERGY CONSERVATION	STORAGE OF BEETINGAL ENERGY FOWER SUPPLY CIRCUITING MEASUREMENT OF BEETINGAL ENERGY MASSUREMENT OF BEETINGATION MEASUREMENT OF BEETINGATION STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY LOW ENERGY LIGHTING LOW ENERGY LIGHTING LOW ENERGY LIGHTING LOW ENERGY LIGHTING THERMAL BELIENGY STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY THERMAL BELIENGY SUBJECTION, IN GENERAL THERMAL BULIENGY INSULATION, IN GENERAL THERMAL BULIENGY INSULATION, IN GENERAL THERMAL BULIENGY INSULATION, IN GENERAL	ELECTROLUMINESCENT LIGHT SOURCES (E.G. LEDS, OLEDS, FLEDS) ELECTROLUMINESCENT LEGHT SOURCES (E.G. LEDS, OLEDS, FLEDS) ELECTROLUMINESCENT LEGHT SOURCES (E.G. LED, OLEDS, FLEDS) ELECTROLUMINESCENT LEGHT SOURCES (E.G. LEDS, OLEDS, FLEDS) INSLIATING BUILDING ELEMENTS INSLIATING BUILDING ELEMENTS INSLIATING BUILDING ELEMENTS	FOR WALLS	B60W 10/26 H01M 10/44-10/46 H01G 11/20 H01G 37/28 4 7 700.4 15/00 H01G 37/20 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	pure greer efficiency - unm
2 2 2 2 3 2 2 2 2 2 3 3 3 3 2 3 4 4 4 4	BNERGY CONSERVATION BNERGY CONSERVATION DNERGY CONSERVATION	STORAGE OF BECTHICAL ENRERY STORAGE OF BECTHICAL ENRERY STORAGE OF BELCTRICAL ENRERY STORAGE OF BELCTRICAL ENRERY STORAGE OF BELCTRICAL ENRERY STORAGE OF BELCTRICAL ENRERY FOWER SUPPLY CIRCUITEV MEASUREMENT OF BELCTRICATIVE CONSUMPTION MEASUREMENT OF BELCTRICATIVE CONSUMPTION MEASUREMENT OF BELCTRICATIVE CONSUMPTION STORAGE OF THERMAL ENRERY STORAGE OF THERMAL ENRERY LOW ENRERY LIGHTHNG LOW ENRERY LIGHTHNG LOW ENRERY LIGHTHNG LOW ENRERY LIGHTHNG THERMAL BULLDING INSULATION, IN GENERAL	ELECTROLLMINISCENT LIGHT SOURCES (E.G. LEES, OLEES, FLEDS) LINGUALING BULLDINGE (ELEBRATS) LINGUALING BULLDINGE LEBRATS LINGUALING BULLDINGE (ELBRATS) LINGUALING BULLDINGE (ELBRATS) LINGUALING BULLDINGE (ELBRATS)	FOR WALLS FOR WALLS	B60W 10/26 HBID 11/40 46 HBID 11/40 HBID 11/40 HBID 11/40 HBID 11/40 B60L 3/00 B60L 3/00 COWK 5/00 FERH 2/00 FERH 2/00 FERH 2/00 FERH 2/00 FERH 2/00 FERH 3/00/24 64, 51/50 BBID 1/62Å 17/64 1/96Å 1/96Å 1/96 BBID 1/62Å 17/64 1/96Å 1/96Å 1/96Å 1/96Å 1/96 BBID 1/62Å 17/64 1/96Å 1	pure grees ficiency - unm efficiency - unm
2222322223333234444444	BNERGY CONSERVATION	STORAGE OF BEETINGAL ENRERY FOWER SUPPLY CIRCUITRY MEASUREMENT OF BEETINGAL ENRERY MAGNIFICATION MASSIREMENT OF BEETINGATORY CONSIMITION MASSIREMENT OF BEETINGATORY CONSIMITION STORAGE OF THERMAL ENRIRY THERMAL BURNERY LIGHTING LOW ENRERY LIGHTING LOW ENRERY LIGHTING THERMAL BURDING INSULATION, IN CIGNERAL	ELECTROLLMINISCENT LIGHT SOURCES (E.G. LEDS, OLEDS, PLEDS) INSULATING BUILDING ELEMENTS	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS	B60W 10/26 H010 11/40/16 H012 3/28/4 7/06, 415/00 H012 3/28/4 7/06, 415/00 B601.3/00 G018 70 G018 70 G018 70 F121.4/02 F1218 9/00	pure gree fificiency - unm efficiency - unm
2 2 2 2 3 2 2 2 2 2 3 3 3 3 2 3 4 4 4 4	BNERGY CONSERVATION DATES CONSERVATION ENERGY CONSERVATION	STORAGE OF BELETING CAL ENTRERY POWER SUPPLY CIRCUITIFY MEASUREMENT OF BELETING THE STORY MEASUREMENT OF BELETING THE STORY MEASUREMENT OF BELETING THE STORY MEASUREMENT OF THE STORY MEASUREMENT OF THE STORY STORAGE OF THERMAL ENTROY STORAGE OF THERMAL ENTROY LOW ENTRERY LIGHTING LOW ENTRERY LIGHTING LOW ENTRERY LIGHTING LOW ENTRERY LIGHTING THERMAL BULDING INSULATION, IN CONTREAL THERMAL BULDING INSULATION, IN CONTREAL THERMAL BULDING INSULATION, IN CONTREAL THERMAL BULDING INSULATION, IN GENTREAL	ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, FLEDS) INSULATING BUILDING ELEMENTS	FOR WALLS FOR FLOORS FOR FLOORS FOR ROOFS	B60W 10/25 H0IM 10/44-10/46 H0IC 11/00 H0IC 17/00 FERD 20/00, 20/00 FERD 20/00, 20/00 FERD 20/00, 20/00 FERD 20/00, 20/00 FERD 30/00 H0IL 33/00-33/64.X 51/50 H0IL 33/00-33/64.X 51/50 H0IL 33/00-33/64.X 51/50 H0IL 31/00-33/64.X 51/50 H0IL 31/00-31/64.X 51/50 H0IL 31/00-31/64.X 51/50 H0IL 31/00-31/64.X 51/50 H0IL 31/00-31/64.X 51/50 H0IL 31/00	pure gree efficiency - unn
2 2 2 2 3 2 2 2 2 2 3 3 3 3 2 3 4 4 4 4	BYERGY CONSERVATION DENERGY CONSERVATION	STORAGE OF BELETING CAL ENTRERY POWER SUPPLY CIRCUITIFY MEASUREMENT OF BELETING THE STORY MEASUREMENT OF BELETING THE STORY MEASUREMENT OF BELETING THE STORY MEASUREMENT OF THE STORY MEASUREMENT OF THE STORY STORAGE OF THERMAL ENTROY STORAGE OF THERMAL ENTROY LOW ENTRERY LIGHTING LOW ENTRERY LIGHTING LOW ENTRERY LIGHTING LOW ENTRERY LIGHTING THERMAL BULDING INSULATION, IN CONTREAL THERMAL BULDING INSULATION, IN CONTREAL THERMAL BULDING INSULATION, IN CONTREAL THERMAL BULDING INSULATION, IN GENTREAL	ELICTROLUMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, PLEDS) INSULATING RULLDING ELIMINIS	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR ROOPS FOR ROOPS	B60W 10/26 H010 10/44-10/66 H010 3/28-4 7*00.4 15/00 H012 3/28-4 7*00.4 15/00 B601.3/00 G018 C008 3/00 E003 3/04.5 10/00 E1214.4/02 H013 3/00-33/64.5 15/00 E1214.5 9/00 E1214.5 9/00 E1214.5 9/00 E1214.5 9/00 E004 1/26.4 15/00 B604 1/26.4 15/00 B6	pure gree fliciency - unm efficiency - unm
222232222233332344444444444444444444444	BNERGY CONSERVATION	STORAGE OF BEACHEGAL ENRERCY POWER SUPPLY CRECUITEY MEASUREMENT OF BEACHEGAL ENRERCY MACAGEMENT OF BEACHEGAL ENRERCY STORAGE OF THERMAL ENRERCY STORAGE OF THERMAL ENRERCY STORAGE OF THERMAL ENRERCY LOW ENRERCY LIGHTING LOW ENRERCY LIGHTING LOW ENRERCY LIGHTING LOW ENRERCY LIGHTING THERMAL BULDION CINCLIGHTING THERMAL BULDION CONSULATION, IN CENTRAL THERMAL BULDION CINCLIGHTON, IN CENTRAL	ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, FLEDS) INSULATING BUILDING ELEMENTS	FOR WALLS FOR FLOORS FOR FLOORS FOR ROOFS	B60W 10/25 H0IM 10/44-10/46 H0IC 11/00 H0IC 17/00 FERD 20/00, 20/00 FERD 20/00, 20/00 FERD 20/00, 20/00 FERD 20/00, 20/00 FERD 30/00 H0IL 33/00-33/64.X 51/50 H0IL 33/00-33/64.X 51/50 H0IL 33/00-33/64.X 51/50 H0IL 31/00-33/64.X 51/50 H0IL 31/00-31/64.X 51/50 H0IL 31/00-31/64.X 51/50 H0IL 31/00-31/64.X 51/50 H0IL 31/00-31/64.X 51/50 H0IL 31/00	pure gree fliciency - unm efficiency - unm
2 2 2 2 2 3 2 2 2 2 2 3 3 3 3 2 3 4 4 4 4	BNERGY CONSERVATION	STORAGE OF BEETINGAL ENERGY FOWER SUPPLY CIRCUITRY DOWNES SUPPLY CIRCUITRY MAGNIFICATION OF BEETINGATORY MAGNIFICATION OF BEETINGATORY MAGNIFICATION OF BEETINGATORY MAGNIFICATION OF BEETINGATORY STORAGE OF THERMAL ENERGY THERMAL BUILDING INSULATION, IN GENERAL	ELECTROLLMINISCENT LIGHT SOURCES (E.G. LEDS, OLEDS, PLEDS) INSULATING BUILDING ELEMENTS	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR FLOORS FOR GLOORS FOR GELINACS FOR ROODS	B60W 10/26 H010 110/46 H010 11/00 H013/32-8,770.6,1500 B601.3/00 G018:70 G018:70 G018:70 G018:70 G018:70 F111.4/02 F1218:9/00 F1211.4/02 F1218:9/00 F1218:	pure gree fliciency - unm efficiency - unm
22222322223333234444444423	BNERGY CONSERVATION DENERGY CONSERVATION	STORAGE OF BELGTINGCAL ENTRERY POWER SUPPLY CIRCUITRY MEASUREMENT OF BELGTINCTY CONSISTENCY MEASUREMENT OF BELGTINCTY CONSISTENCY MEASUREMENT OF BELGTINCTY CONSISTENCY STORAGE OF THERMAL ENTRORY STORAGE OF THERMAL ENTRORY LOW ENTRERY LIGHTING LOW ENTRERY LIGHTING LOW ENTRERY LIGHTING THERMAL BULDING INSULATION, IN CONTREAL THE BULDING INSULATION, IN CONTREAL THE BULDING INSULATION, IN CONTREAL THE BULDING IN	ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, FLEDS) INSULATING BUILDING ELEMENTS INSULATING BUILDING BUIL	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR FLOORS FOR GLOORS FOR GELINACS FOR ROODS	B60W 10/26 H010M 10/44-10/36 H010 H10/46-10/36 H010 H10/36-10/30 H02/37-10/30 H02/37-10/30 H02/37-10/30 H02/37-10/30 H02/37-10/30 F2810 20/00, 20/00 F2810 20/00 F28	pure green efficiency - umm effic
2222233333234444442333	BNERGY CONSERVATION DENERGY CONSERVATION	STORAGE OF BEETING ALENNERY POWER SUPPLY CIRCUITIN MEASUREMENT OF BELTERICITY CONSUMPTION MEASUREMENT OF BELTERICITY CONSUMPTION STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY LOW ENERGY LIGHTHNG LOW ENERGY LIGHTHNG LOW ENERGY LIGHTHNG LOW ENERGY LIGHTHNG THERMAL BULDION INSULATION, IN GENERAL THE	ELECTROLLMINISCENT LIGHT SOURCES (E.G. LEDS, OLEDS, PLEDS) INSULATING BUILDING ELEMENTS	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR FLOORS FOR GLOORS FOR GELIANCS FOR ROODS	B60W 10/26 H00M 10/44-10/66 H01G 11/00 H01G 3/28-4,7*00.4.15/00 B60L 3/00 B60L 3/00 C001K 700 C001K 700 E12L 4/02 F12L 8/9/00 F12L 4/02 F12L 8/9/00 F12L 4/02 F12L 8/9/00 F12L 4/02 B60L 3/00 E12L 4/02 B60L 3/00 B60L 3/00 E12L 4/02 B60L 3/00	pur grees pur gr
2 2 2 2 3 2 2 2 2 2 3 3 3 3 2 3 4 4 4 4	BNERGY CONSERVATION BNERGY	STORAGE OF BECTHICAL ENTERCY FOWER SUPPLY CIRCUITRY MAGAINMENT OF BELCTICATORY MAGAINMENT OF BELCTICATORY MAGAINMENT OF BELCTICATORY CONSUMPTION MAGAINMENT OF BELCTICATORY CONSUMPTION STORAGE OF THERMAL ENTERCY THERMAL BULLION IN SULFATION, IN CONSUMPTION LOW ENTERCY LIGHTHNG LOW ENTERCY LIGHTHNG THERMAL BULLIONIC INSULATION, IN CONSUMAL THERMAL BULLIONIC INSULATION, IN CONSUMA	ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, FLEDS) INSULATING BUILDING ELEMENTS INSULATING BUILDING BUIL	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR FLOORS FOR GLOORS FOR GELIANCS FOR ROODS	B60W 10/26 H010M 10/44-10/36 H010 H10/46-10/36 H010 H10/36-11/20 H02/37-16/20 H02/37-16/20 H02/37-16/20 H02/37-16/20 H02/37-16/20 F281H2/90 F281H2	pur greet gr
222223222223333234444444233223	BNERGY CONSERVATION BNERGY	STORAGE OF BEETINGAL ENERGY FOWER SUPPLY CIRCUITRY DOWNES SUPPLY CIRCUITRY MAGNIFICATION OF BEETINGATOR OF	ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, PLEDS) INSULATING BUILDING: ELEMENTS INSULATIN	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR FLOORS FOR GLOORS FOR GELIANCS FOR ROODS	B60W 10/26 H00M 10/44-10/66 H01G 11/00 H01G 3/2A,47:06,415:00 B60L 3/00 G01R G01R G01R G01R G01R G01R G01R G0	pur greet greet green greet efficiency - unun effici
2 2 2 2 3 3 2 2 2 2 2 3 3 3 3 3 2 3 4 4 4 4	BNERGY CONSERVATION DENERGY CO	STORAGE OF BECTHICAL ENTERCY FOWER SUPPLY CIRCUITEV MEASUREMENT OF BELTERCITY CONSUMPTION MEASUREMENT OF BELTERCITY CONSUMPTION MEASUREMENT OF BELTERCITY CONSUMPTION STORAGE OF THERMAL ENTERCY LOW ENTERCY LIGHTHOUGH CONSUMPTION STORAGE OF THERMAL ENTERCY LOW ENTERCY LIGHTHOUGH CONSUMPTION LOW ENTERCY LIGHTHOUGH CONSUMPTION LOW ENTERCY LIGHTHOUGH CONSUMPTION LOW ENTERCY LIGHTHOUGH CONSUMPTION THERMAL BULDING INSULATION, IN GENTRAL THE BULDING INSULATION, IN GENTRAL THE BULDING INSULATION, IN G	ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, FLEDS) INSULATING BUILDING ELEMENTS INSULATING	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR ROOFS FOR ROOFS FOR CEILINGS FOR CEILINGS	B60W 10/25 H010M 10/44-10/36 H010 H10/46-10/36 H010 H10/46-11/00 H02/37-16-10/30 H02/37-16-10/30 H02/37-16-10/30 H02/37-10-16-10/30 H02/37-10-16-10/30 F28D 20/00.A 20/02 F28D 20/00.A 20/02 F28H 27/00 H011.33 (00.33/64.A 51/50 H011.33 (00.33/64.A 51/50 H018-33 (00.33/64.A 51/50 H018-33 (00.33/64.A 51/50 H018-33 (00.33/64.A 51/50 H018-33 (00.33/64.A 51/50 H018-37 (00.35/64.A 51/50	pun greet flicken; - umn efficien;
2 2 2 2 3 2 2 2 2 2 3 3 3 3 2 3 4 4 4 4	BNERGY CONSERVATION BNERGY	STORAGE OF BEETINGAL ENERGY POWER SUPPLY CIRCUITIN MEASUREMENT OF BEETINGATH OF STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY LOW ENERGY LIGHTHNG LOW ENERGY LIGHTHNG LOW ENERGY LIGHTHNG LOW ENERGY LIGHTHNG THERMAL BULDING INSULATION, IN GENERAL THERMAL BULDING	ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEDS, OLEDS, PLEDS) INSULATING BRILDING ELEMENTS CHARGEABLE MICHANICAL ACCUMULATORS IN VEHICLES CHARGEABLE MICHANICAL ACCUMULATORS IN VEHICLES CHARGEABLE MICHANICAL ACCUMULATORS IN VEHICLES DENNITCTION OR STBILLBATION TREATMENT OF HAZABRORIS OR TOOK WASTE TREATMENT OF HAZABRORIS OR TOOK WASTE TREATMENT OF HAZABRORIS OR TOOK WASTE	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR ROOFS FOR ROOFS FOR CEILINGS FOR CEILINGS	B60W 10/26 H00M 10/44-10/66 H01G 11/00 H01G 3/28/4.7706.415/00 B60L 3/00 B60L 3/00 C001K 70 C00K 5/00 F28D 20/00,4 20/00 F21L 4/02 F21K 9/00 F21K	pur greet greet green
2 2 2 2 3 2 2 2 2 2 3 3 3 3 2 3 4 4 4 4	BNERGY CONSERVATION BNERGY	STORAGE OF BECTHICAL ENTERCY FOWER SUPPLY CIRCUITRY MAGNITUM OF BECTHICATE ON THE STORAGE OF BECTHICAL ENTERCY FOWER SUPPLY CIRCUITRY MAGNITUM OF BECTHICATE CONSIMITION MAGNITUM OF BECTHICATE CONSIMITION MAGNITUM OF BECTHICATE CONSIMITION STORAGE OF THERMAL ENERGY THERMAL BULLION INSULATION, IN CINCUITRY THE STORAGE OF THE STORAGE OF THE STORAGE THERMAL BULLION INSULATION, IN CINCUITRY THERMAL BULLION INSULATION, IN CINCUITRAL THERMAL BULLION INSULATION, IN CINCUIT	ELECTROLUMINISCENT LIGHT SOURCES (E.G. LEDS, OLEDS, FLEDS) INSULATING BUILDING (ELEMENTS) INSULATING BUILDING ELEMENTS INSULATI	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR ROOFS FOR ROOFS FOR CEILINGS FOR CEILINGS	B60W 10/26 H010 11/04/16 H010 11/04/16 H010 11/04/16 H010 11/04/16 H010 11/04 FB80 20/06 FB80 20/06/20/06 FB80 20/06/20/06 H011.33/043-3/04,54 150 H011.33/043-3/04,54 150 H011.33/043-3/04,54 150 H011.33/043-3/04,54 150 H011.33/043-3/04,54 150 H011.33/043-3/04,54 150 H011.37/043-3/04,54 150 H011.37/043-3/04,54 150 H011.37/043-3/04,54 150 H011.37/043-3/04,54 150 H011.37/04 H011.37/04 H011.37/04 H011.37/04 H011.37/04 H011.37/06 H013.37/06	pur green gr
2 2 2 2 3 3 3 3 3 2 2 2 3 3 3 3 3 2 2 2 3 3 3 3 3 2 2 2 3 3 3 3 3 2 2 2 3	BNERGY CONSERVATION DENERGY CONSERVATION ENERGY ENERG	STORAGE OF BEETINGAL ENERGY POWER SUPPLY CIRCUITIV MEASUREMENT OF BEETINGAL ENERGY MAGNITUM STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY STORAGE OF THERMAL ENERGY LOW ENERGY LIGHTING THERMAL BULDION IN SULFATION, IN GENERAL THE BULDION IN SULFATION, IN GENERAL THE BULDION IN SULFATION, IN GENERAL THE BULDION IN SULF	ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, PLEDS) ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, PLEDS) ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, PLEDS) ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEE, OLEDS, PLEDS) ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, PLEDS) INSULATING BRILDING ELEMENTS INSULATING	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR ROOFS FOR ROOFS FOR CEILINGS FOR CEILINGS	B60W 10/26 H010 11/26 H010 11/20 H010 11/20 H010 11/20 H010 11/20 H010 11/20 H010 11/20 B601.3/00 B601.3/00 G018 70 G018 70 G018 70 G018 70 F121.4/02 F1218 99/00 F121.4/02 F1218 99/00 F121.4/02 F1218 99/00 F121.4/02 B018 1/62.Å 17/41.Å 23.4/23.4 E088 13/23 B018 1/62.Å 17/41.Å 23.4/23.4 E088 13/20 B018 1/62.Å 17/41.Å 23.4/23.4 E088 13/20 B018 1/62.Å 17/41.Å 23.4/23.4 E088 13/20 B018 1/62.Å 13/4	pur green
222223333332344444423332233333333333333	BNERGY CONSERVATION DNERGY	STORAGE OF BECTHICAL ENTERCY FOWER SUPPLY CIRCUITEV MEASUREMENT OF BELTETICAL ENTERCY ENTERT OF BECTHICATORY ON SUMMITTON MEASUREMENT OF BELTETICATY CONSUMPTION MEASUREMENT OF BELTETICATY CONSUMPTION STORAGE OF THERMAL ENTERCY LOW ENTERCY LIGHTHNG THERMAL BULDION, INSULATION, IN GENERAL THERMAL BULDION INSULATION, IN GENERAL TH	ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, FLEDS) INSULATING BUILDING ELEMENTS INSULATING	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR ROOFS FOR ROOFS FOR CEILINGS FOR CEILINGS	B60W 10/26 H00M 10/44-10/26 H01M 10/44-10/26 H01D 11/00 H02J-76-76 H02J-76-76 H02J-76-76 H02J-76-76 H02J-76-76 H02J-76-76 H02J-76-76 H02J-76-76 F28D-20/00, 20/02 F28D-20/00, 20/00 F28D-20/00 F28D-20/00 F28D-20/	pur green efficiency - umn
2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 2 2 3 4 4 4 4	BNERGY CONSERVATION BNERGY	STORAGE OF BEETINGAL ENERGY FOWER SUPPLY CIRCUITRY DOWNES SUPPLY CIRCUITRY MAGNITUM OF THE STORAGE OF THE	ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, PLEDS) ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, PLEDS) ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, PLEDS) ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEE, OLEDS, PLEDS) ELECTROLIMINISCENT LIGHT SOURCES (E.G. LEES, OLEDS, PLEDS) INSULATING BRILDING ELEMENTS INSULATING	FOR WALLS FOR WALLS FOR FLOORS FOR FLOORS FOR ROOFS FOR ROOFS FOR CEILINGS FOR CEILINGS	B60W 10/26 H010 11/26 H010 11/20 H010 11/20 H010 11/20 H010 11/20 H010 11/20 H010 11/20 B601.3/00 B601.3/00 G018 70 G018 70 G018 70 G018 70 F121.4/02 F1218 99/00 F121.4/02 F1218 99/00 F121.4/02 F1218 99/00 F121.4/02 B018 1/62.Å 17/41.Å 23.4/23.4 E088 13/23 B018 1/62.Å 17/41.Å 23.4/23.4 E088 13/20 B018 1/62.Å 17/41.Å 23.4/23.4 E088 13/20 B018 1/62.Å 17/41.Å 23.4/23.4 E088 13/20 B018 1/62.Å 13/4	pur green gr

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Level	Topic L1	Topic L2	Topic L3	Topic L4	Topic L5	IPC codes	Category
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	USE OF WASTE MATERIALS AS FILLERS FOR MORTARS, CONCRETE			C04B 18/04-18/10	efficiency - unma
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	PRODUCTION OF FERTILISERS FROM WASTE OR REFUSE			C05F	efficiency - unma
	WASTE MANAGEMENT WASTE MANAGEMENT	REUSE OF WASTE MATERIALS REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS RECOVERY OR WORKING-UP OF WASTE MATERIALS			C08J 11/00-11/28 C09K 11/01	efficiency - unm
	WASTE MANAGEMENT WASTE MANAGEMENT	REUSE OF WASTE MATERIALS REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS RECOVERY OR WORKING-UP OF WASTE MATERIALS			C11B 11/00.Å 13/00-13/04	efficiency - unma efficiency - unma
	WASTE MANAGEMENT WASTE MANAGEMENT	REUSE OF WASTE MATERIALS REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS RECOVERY OR WORKING-UP OF WASTE MATERIALS			C11B 11/00,A 13/00-13/04 C14C 3/32	efficiency - unma efficiency - unma
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS			C21B 3/04	efficiency - unm
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS			C25C 1/00	efficiency - unm
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS			D01F 13/00-13/04	efficiency - unm
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS	RECOVERY OF PLASTICS MATERIALS FROM WASTE		B29B 17/00	efficiency - unm
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS	DISASSEMBLY OF VEHICLES FOR RECOVERY OF SALVAGEABLE PARTS		B62D 67/00	efficiency - unn
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS	OF POLYMERS		C08J 11/04-11/28	efficiency - unn
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS	PRODUCTION OF LIQUID HYDROCARBONS FROM RUBBER WASTE		C10G1/10	efficiency - unn
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS	SOLID FUELS DERIVED FROM WASTE		C10L 5/46,Å 5/48	efficiency - unn
	WASTE MANAGEMENT WASTE MANAGEMENT	REUSE OF WASTE MATERIALS REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS RECOVERY OR WORKING-UP OF WASTE MATERIALS	OBTAINING METALS FROM SCRAP DISINTEGRATING FIBROUS MATERIALS FOR REUSE		C22B 7/00-7/04,Å 19/30,Å 25/ D01G 11/00	
	WASTE MANAGEMENT WASTE MANAGEMENT	REUSE OF WASTE MATERIALS REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS RECOVERY OR WORKING-UP OF WASTE MATERIALS	WORKING-UP WASTE PAPER TO OBTAIN CELLULOSE		D01G 11/00 D21C 5/02	efficiency - unn
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS	RECLAIMING SALVAGEABLE COMPONENTS OR MATERIAL FROM ELECTRIC DISCHARGE TUBES OR LAMPS		H011 9 / 50.Å 9 / 52	efficiency - unn efficiency - unn
	WASTE MANAGEMENT	REUSE OF WASTE MATERIALS	RECOVERY OR WORKING-UP OF WASTE MATERIALS	RECLAIMING SALVAGEABLE COMPONENTS OF WASTE CELLS. BATTERIES OR ACCUMULATORS		H01M 6/52.Å 10/54	efficiency - unn
	WASTE MANAGEMENT WASTE MANAGEMENT	POLLUTION CONTROL	CARBON CAPTURE AND STORAGE	RECLAIMING SERVICEABLE PARTS OF WASTE CELLS, BATTERIES OR ACCOMULATORS		B01D 53/14,Å 53/22,Å 53/62	
	WASTE MANAGEMENT	POLLUTION CONTROL	CARBON CAPTURE AND STORAGE			B65G 5/00	pure gree
	WASTE MANAGEMENT	POLLUTION CONTROL	CARBON CAPTURE AND STORAGE			C01B32/50	pure gre
	WASTE MANAGEMENT	POLLUTION CONTROL	CARBON CAPTURE AND STORAGE			E21B 41/00,Å 43/16	pure gre
	WASTE MANAGEMENT	POLLUTION CONTROL	CARBON CAPTURE AND STORAGE			E21F 17/16	pure gree
	WASTE MANAGEMENT	POLLUTION CONTROL	CARBON CAPTURE AND STORAGE			F25J 3/02	pure gree
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	TREATMENT OF WASTE GASES		B01D 53/00-53/96	efficiency - unr
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	TREATMENT OF WASTE GASES	EXHAUST APPARATUS FOR COMBUSTION ENGINES WITH MEANS FOR TREATING EXHAUST	F01N 3/00-3/38	fuel efficies
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	TREATMENT OF WASTE GASES	RENDERING EXHAUST GASES INNOCUOUS	B01D 53/92	fuel efficier
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT AIR QUALITY MANAGEMENT	TREATMENT OF WASTE GASES TREATMENT OF WASTE GASES	RENDERING EXHAUST GASES INNOCUOUS REMOVAL OF WASTE GASES OR DUST IN STEEL PRODUCTION	F02B 75/10 C21C 5/38	fuel efficier
	WASTE MANAGEMENT WASTE MANAGEMENT	POLLUTION CONTROL POLLUTION CONTROL	AIR QUALITY MANAGEMENT	TREATMENT OF WASTE GASES	COMBUSTION APPARATUS USING RECIRCULATION OF FLUE GASES	C10B21/18	fuel efficier fuel efficier
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	TREATMENT OF WASTE GASES	COMBUSTION APPARATUS USING RECIRCULATION OF FLUE GASES	F23B 80/02	fuel efficier
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR OUALITY MANAGEMENT	TREATMENT OF WASTE GASES	COMBUSTION APPARATUS USING RECIRCULATION OF FLUE GASES	F23C 9/00	fuel efficien
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	TREATMENT OF WASTE GASES	COMBUSTION OF WASTE GASES OR NOXIOUS GASES	F23G 7/06	fuel efficien
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	TREATMENT OF WASTE GASES	ELECTRICAL CONTROL OF EXHAUST GAS TREATING APPARATUS	F01N 9/00	efficiency - unm
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	SEPARATING DISPERSED PARTICLES FROM GASES OR VAPOURS		B01D 45/00-51/00	efficiency - unm
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	SEPARATING DISPERSED PARTICLES FROM GASES OR VAPOURS		B03C 3/00	efficiency - unm
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	SEPARATING DISPERSED PARTICLES FROM GASES OR VAPOURS	DUST REMOVAL FROM FURNACES	C21B 7/22	efficiency - unn
	WASTE MANAGEMENT WASTE MANAGEMENT	POLLUTION CONTROL POLLUTION CONTROL	AIR QUALITY MANAGEMENT AIR QUALITY MANAGEMENT	SEPARATING DISPERSED PARTICLES FROM GASES OR VAPOURS SEPARATING DISPERSED PARTICLES FROM GASES OR VAPOURS	DUST REMOVAL FROM FURNACES DUST REMOVAL FROM FURNACES	C21C 5/38 F27B 1/18	efficiency - unn
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	SEPARATING DISPERSED PARTICLES FROM GASES OR VAPOURS	DUST REMOVAL FROM FURNACES	F27B 15/12	efficiency - unn efficiency - unn
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	USE OF ADDITIVES IN FUELS OR FIRES TO REDUCE SMOKE OR FACILITATE SOOT REMOVAL	DOS REMOVAL FROM FORCAGE	C10L 10/02,Å 10/06	efficiency - unn
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR OUALITY MANAGEMENT	USE OF ADDITIVES IN FUELS OR FIRES TO REDUCE SMOKE OR FACILITATE SOOT REMOVAL		F2317/00	efficiency - unn
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	ARRANGEMENTS OF DEVICES FOR TREATING SMOKE OR FUMES FROM COMBUSTION APPARATUS		F23I 15/00	efficiency - unn
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	DUST-LAYING OR DUST-ABSORBING MATERIALS		C09K 3/22	efficiency - unn
	WASTE MANAGEMENT	POLLUTION CONTROL	AIR QUALITY MANAGEMENT	POLLUTION ALARMS		G08B 21/12	efficiency - unn
	WASTE MANAGEMENT	POLLUTION CONTROL	CONTROL OF WATER POLLUTION	TREATING WASTE-WATER OR SEWAGE		B63J 4/00	efficiency - unn
	WASTE MANAGEMENT	POLLUTION CONTROL	CONTROL OF WATER POLLUTION	TREATING WASTE-WATER OR SEWAGE		C02F	efficiency - unn
	WASTE MANAGEMENT WASTE MANAGEMENT	POLLUTION CONTROL POLLUTION CONTROL	CONTROL OF WATER POLLUTION CONTROL OF WATER POLLUTION	TREATING WASTE-WATER OR SEWAGE MATERIALS FOR TREATING LIQUID POLLUTANTS	TO PRODUCE FERTILISERS	C05F 7/00 C09K 3/32	efficiency - unn
	WASTE MANAGEMENT WASTE MANAGEMENT	POLLUTION CONTROL POLLUTION CONTROL	CONTROL OF WATER POLLUTION CONTROL OF WATER POLLUTION	REMOVING POLLUTANTS FROM OPEN WATER		E63B 35/32	efficiency - unn efficiency - unn
	WASTE MANAGEMENT	POLLUTION CONTROL	CONTROL OF WATER POLLUTION	REMOVING POLLUTANTS FROM OPEN WATER		E02B 15/04	efficiency - unr
	WASTE MANAGEMENT	POLLUTION CONTROL	CONTROL OF WATER POLLUTION	PLUMBING INSTALLATIONS FOR WASTE WATER		E03C 1/12	efficiency - unr
	WASTE MANAGEMENT	POLLUTION CONTROL	CONTROL OF WATER POLLUTION	MANAGEMENT OF SEWAGE		C02F 1/00,Å 3/00,Å 9/00	efficiency - unr
	WASTE MANAGEMENT	POLLUTION CONTROL	CONTROL OF WATER POLLUTION	MANAGEMENT OF SEWAGE		E03F	efficiency - unr
	WASTE MANAGEMENT	POLLUTION CONTROL	MEANS FOR PREVENTING RADIOACTIVE CONTAMINATION IN THE EVENT OF REACTOR LEAKAGE			G21C 13/10	efficiency - unn
	AGRICULTURE / FORESTRY	FORESTRY TECHNIQUES				A01G 23/00	efficiency - unn
	AGRICULTURE / FORESTRY	ALTERNATIVE IRRIGATION TECHNIQUES				A01G 25/00	efficiency - unn
	AGRICULTURE / FORESTRY	PESTICIDE ALTERNATIVES				A01N 25/00-65/00	efficiency - uni
	AGRICULTURE / FORESTRY	SOIL IMPROVEMENT				C09K 17/00	efficiency - uni
	AGRICULTURE / FORESTRY AGRICULTURE / FORESTRY	SOIL IMPROVEMENT SOIL IMPROVEMENT	ORGANIC FERTILISERS DERIVED FROM WASTE			E02D 3/00 C05F	efficiency - un
4 504 51	INISTRATIVE, REGULATORY OR DESIGN ASPECTS	COMMUTING, E.G., HOV, TELEWORKING, ETC.	OWGANIC PERTILISERS DERIVED FROM WASTE			G06O	efficiency - un
ADMI	IINISTRATIVE, REGULATORY OR DESIGN ASPECTS	COMMUTING, E.G., HOV, TELEWORKING, ETC.				GING	efficiency - un efficiency - un
	HINISTRATIVE, REGULATORY OR DESIGN ASPECTS	CARBON/EMISSIONS TRADING, E.G. POLLUTION CREDITS				G06Q	efficiency - ur
	IINISTRATIVE, REGULATORY OR DESIGN ASPECTS	STATIC STRUCTURE DESIGN				E04H 1/00	efficiency - ur
!	NUCLEAR POWER GENERATION	NUCLEAR ENGINEERING				G21	pure gre
	NUCLEAR POWER GENERATION	NUCLEAR ENGINEERING	FUSION REACTORS			G21B	pure gre
j.	NUCLEAR POWER GENERATION	NUCLEAR ENGINEERING	NUCLEAR (FISSION) REACTORS			G21C	pure gree
	NUCLEAR POWER GENERATION	NUCLEAR ENGINEERING	NUCLEAR POWER PLANT			G21D	pure gre
	NUCLEAR POWER GENERATION GA	S TURBINE POWER PLANTS USING HEAT SOURCE OF NUCLEAR ORIGI	N .			F02C 1/05	pure gre

TABLE 6: CATEGORIES ASSIGNED TO FF CLASSIFICATION

Main Category	Description	IPC codes	Exclusion IPC codes	Category
COAL GASIFICATION	Production of combustible gases containing carbon monoxide from solid carbonaceous fuels	C10J3		efficiency brown
IMPROVED BURNERS	Combustion apparatus specially adapted for combustion of two or more kinds of fuel simultaneously or alternately, at least one kind of fuel being fluent	F23C1	B60, B68, F24, F27	efficiency brown
IMPROVED BURNERS	Combustion apparatus characterized by the arrangement or mounting of burners; Disposition of burners to obtain a loop flame.	F23C5/24	B60, B68, F24, F27	efficiency brown
IMPROVED BURNERS	Combustion apparatus characterized by the combination of two or more combustion chambers (using fluent fuel)	F23C6	B60, B68, F24, F27	efficiency brown
IMPROVED BURNERS	Combustion apparatus characterized by the combination of two or more combustion chambers (using only solid fuel)	F23B10	B60, B68, F24, F27	efficiency brown
IMPROVED BURNERS	Combustion apparatus with driven means for agitating the burning fuel; Combustion apparatus with driven means for advancing the burning fuel through the combustion chamber	F23B30	B60, B68, F24, F27	efficiency brown
IMPROVED BURNERS	Combustion apparatus characterized by means for returning solid combustion residues to the combustion chamber	F23B70	B60, B68, F24, F27	efficiency brown
IMPROVED BURNERS	Combustion apparatus characterized by means creating a distinct flow path for flue gases or for noncombusted gases given off by the fuel	F23B80	B60, B68, F24, F27	efficiency brown
IMPROVED BURNERS	Burners for combustion of pulverulent fuel	F23D1	B60, B68, F24, F27	efficiency brown
IMPROVED BURNERS	Burners in which drops of liquid fuel impinge on a surface	F23D7	B60, B68, F24, F27	efficiency brown
IMPROVED BURNERS	Burners for combustion simultaneously or alternatively of gaseous or liquid or pulverulent fuel	F23D17	B60, B68, F24, F27	efficiency brown
FLUIDIZED BED COMBUSTION	Chemical or physical processes (and apparatus therefor) conducted in the presence of fluidised particles, with liquid as a fluidising medium	B01J8/20-22		efficiency brown
FLUIDIZED BED COMBUSTION	Chemical or physical processes (and apparatus therefor) conducted in the presence of fluidised particles, according to fluidised-bed technique	B01J8/24-30		efficiency brown
FLUIDIZED BED COMBUSTION	Fluidised-bed furnaces; Other furnaces using or treating finely-divided materials in dispersion	F27B15		efficiency brown
FLUIDIZED BED COMBUSTION	Apparatus in which combustion takes place in a fluidised bed of fuel or other particles	F23C10		efficiency brown
IMPROVED BOILERS FOR STEAM GENERATION	Modifications of boiler construction, or of tube systems, dependent on installation of combustion apparatus; Arrangements or dispositions of combustion apparatus	F22B31		efficiency brown
IMPROVED BOILERS FOR STEAM GENERATION	Steam generation plants, e.g. comprising steam boilers of different types in mutual association; Combinations of low- and high-pressure boilers	F22B33/14-16		efficiency brown
IMPROVED STEAM ENGINES	Plants characterised by the use of steam or heat accumulators, or intermediate steam heaters, therein	F01K3		efficiency brown
IMPROVED STEAM ENGINES	Plants characterised by use of means for storing steam in an alkali to increase steam pressure, e.g. of Honigmann or Koenemann type	F01K5		efficiency brown
IMPROVED STEAM ENGINES	Plants characterised by more than one engine delivering power external to the plant, the engines being driven by different fluids	F01K23		efficiency brown
SUPERHEATERS	Superheating of steam	F22G		efficiency brown
IMPROVED GAS TURBINES	Gas turbine plants - Heating air supply before combustion, e.g. by exhaust gases	F02C7/08-105		efficiency brown
IMPROVED GAS TURBINES	Cooling of gas turbine plants	F02C7/12-143		efficiency brown
IMPROVED GAS TURBINES	Gas turbine plants - Preventing corrosion in gas-swept spaces	F02C7/30		efficiency brown
COMBINED CYCLES	Plants characterised by more than one engine delivering power external to the plant, the engines being driven by different fluids	F01K23/02-10		efficiency brown
COMBINED CYCLES	Gas turbine plants characterised by the use of combustion products as the working fuel	F02C3/20-36		efficiency brown
COMBINED CYCLES	Combinations of gas-turbine plants with other apparatus; Supplying working fluid to a user, e.g. a chemical process, which returns working fluid to a turbine of the plant	F02C6/10-12		efficiency brown
IMPROVED COMPRESSED-IGNITION ENGINES	Engines characterised by fuel-air mixture compression ignition	F02B1/12-14	B60, B68, F24, F27	efficiency brown
IMPROVED COMPRESSED-IGNITION ENGINES	Engines characterised by air compression and subsequent fuel addition; with compression ignition	F02B3/06-10	B60, B68, F24, F27	efficiency brown
IMPROVED COMPRESSED-IGNITION ENGINES	Engines characterised by the fuel-air charge being ignited by compression ignition of an additional fuel	F02B7	B60, B68, F24, F27	efficiency brown
IMPROVED COMPRESSED-IGNITION ENGINES	Engines characterised by both fuel-air mixture compression and air compression, or characterised by both positive ignition and compression ignition, e.g. in different cylinders	F02B11	B60, B68, F24, F27	efficiency brown
IMPROVED COMPRESSED-IGNITION ENGINES	Engines characterised by the introduction of liquid fuel into cylinders by use of auxiliary fluid; Compression ignition engines using air or gas for blowing fuel into compressed air in cylinder	F02B13/02-04	B60, B68, F24, F27	efficiency brown
IMPROVED COMPRESSED-IGNITION ENGINES	Methods of operating air-compressing compression-ignition engines involving introduction of small quantities of fuel in the form of a fine mist into the air in the engine's intake.	F02B49	B60, B68, F24, F27	efficiency brown
COGENERATION	Use of steam or condensate extracted or exhausted from steam engine plant; Returning energy of steam, in exchanged form, to process, e.g. use of exhaust steam for drying solid fuel of plant	F01K17/06		efficiency brown
COGENERATION	Plants for converting heat or fluid energy into mechanical energy	F01K27		efficiency brown
COGENERATION	Using the waste heat of gas-turbine plants outside the plants themselves, e.g. gas-turbine power heat plants	F02C6/18		efficiency brown
COGENERATION	Profiting from waste heat of combustion engines	F02G5		efficiency brown
COGENERATION	Machines, plant, or systems using waste heat, e.g. from internal-combustion engines	F25B27/02		efficiency brown
TRADITIONAL FOSSIL FUELS	Production of fuel gases by carburetting air or other gases without pyrolysis	C10J		efficiency brown
TRADITIONAL FOSSIL FUELS	Hydraulic Engineering	E02B		efficiency brown
TRADITIONAL FOSSIL FUELS	Steam engine plants; steam accumulators; engine plants not otherwise provided for; engines using special working fluids or cycles	F01K		efficiency brown
TRADITIONAL FOSSIL FUELS	Gas-turbine plants; air intakes for jet-propulsion plants; controlling fuel supply in air-breathing jet-propulsion plants	F02C		efficiency brown
TRADITIONAL FOSSIL FUELS	Steam generation	F22		efficiency brown
TRADITIONAL FOSSIL FUELS	Combustion apparatus; combustion processes	F23		efficiency brown
TRADITIONAL FOSSIL FUELS	Production or use of heat not otherwise provided for	F24J		efficiency brown
TRADITIONAL FOSSIL FUELS	Furnaces; kilns; ovens; retorfs	F27		efficiency brown
TRADITIONAL FOSSIL FUELS	Heat exchange in general	F28		efficiency brown

TABLE 7: CATEGORIES ASSIGNED TO CK CLASSIFICATION

OECD-env tech Categories assigned	Classified CPC level	CPC codes	Category
1. Environmental Management	8	C03C2213/02; D06F2105/02; D21F1/66	efficiency - unmatched
2. Climate change mitigation technologies related to energy generation, transmission or distribution	6	C10L1/00; C10L10/00; E21B37/00; E21B44/00; E21B49/00	fuel efficiency
2. Climate change mitigation technologies related to energy generation, transmission or distribution	8	C09K8/52; C10K1/002; C10K1/02; C10K3/06; C10L2250/06; C10L2270/04; C10L2290/02; C10L2290/04	fuel efficiency
2. Climate change mitigation technologies related to energy generation, transmission or distribution		C10L2290/06; C10L2290/10; C10L2290/24; C10L2290/26; C10L2290/28; C10L2290/30; C10L2290/58; C10L2300/20	fuel efficiency
2. Climate change mitigation technologies related to energy generation, transmission or distribution		C10L3/003; C10L9/08; C10L9/10; C10M2211/02; C12M21/04; E21B17/003; E21B23/02; E21B36/008	fuel efficiency
2. Climate change mitigation technologies related to energy generation, transmission or distribution		E21B36/02; E21B43/16; E21B43/34; E21B47/002; E21B47/008; E21B47/04; E21B7/04; E21C41/16	fuel efficiency
 Climate change mitigation technologies related to energy generation, transmission or distribution Climate change mitigation technologies related to energy generation, transmission or distribution 	9	F16H57/04; F22B37/008; F23R2900/03281; F25J2260/60 C09K8/592; C09K8/62; C10B49/04; C10K3/023; C10K3/04; C10L2200/029; C10L2290/141; C10L2290/146	fuel efficiency fuel efficiency
Climate change intigation technologies related to energy generation, transmission or distribution Climate change mitigation technologies related to energy generation, transmission or distribution	7	C10L2290/543; C10L2290/544; C10L2290/545; C10L2290/547; C10L2290/567; C10L3/08; C10L3/10; C10L5/44	fuel efficiency
Climate change intigation technologies related to energy generation, transmission or distribution Climate change mitigation technologies related to energy generation, transmission or distribution		C10M2207/021; C10M2207/046; C10M2207/283; C10M2207/34; E21B43/26; E21B47/13; E21F17/06; F01C11/008	fuel efficiency
Climate change mitigation technologies related to energy generation, transmission or distribution Climate change mitigation technologies related to energy generation, transmission or distribution		F22B1/18; F22B37/003	fuel efficiency
Climate change mitigation technologies related to energy generation, transmission or distribution Climate change mitigation technologies related to energy generation, transmission or distribution	10	C09K8/035; C10B49/22; C10K1/101; C10L2200/0213; C10M129/74; C10M129/76; C10M2207/125; C10M2207/129	fuel efficiency
Climate change mitigation technologies related to energy generation, transmission or distribution Climate change mitigation technologies related to energy generation, transmission or distribution	10	C10M2207/289; C10M2215/042; E21B17/1021; E21B33/04; E21B33/134; E21B47/0228; F01C1/084	fuel efficiency
Climate change mitigation technologies related to energy generation, transmission or distribution		F01C1/107	fuel efficiency
2. Climate change mitigation technologies related to energy generation, transmission or distribution	11	C10L5/363; C10L5/366; E21B43/127; F23R3/20	fuel efficiency
2. Climate change mitigation technologies related to energy generation, transmission or distribution	12	E21B33/0385	fuel efficiency
2. Climate change mitigation technologies related to energy generation, transmission or distribution	6	H02K13/00; H02K33/00; H02K55/00; H02K7/00	efficiency - unmatched
2. Climate change mitigation technologies related to energy generation, transmission or distribution	8	H02K15/04; H02K15/06; H02K15/10; H02K15/12; H02K2203/15; H02K2213/09; H02K3/46; H02N2/18	efficiency - unmatched
2. Climate change mitigation technologies related to energy generation, transmission or distribution	9	H02K21/04; H02K21/44; H02K3/18; H02K3/28; H02N1/006	efficiency - unmatched
2. Climate change mitigation technologies related to energy generation, transmission or distribution	10	H02K1/26; H02K17/165; H02K19/24	efficiency - unmatched
2. Climate change mitigation technologies related to energy generation, transmission or distribution	11	H02K15/0093	efficiency - unmatched
2. Climate change mitigation technologies related to energy generation, transmission or distribution		H01M2008/00; H01M2250/00; H01M8/00; H05K9/00; Y04S10/00; Y04S40/00	pure green
2. Climate change mitigation technologies related to energy generation, transmission or distribution	8	B63B77/10; B63C11/52; F21S8/006; F22B1/006; H01M14/005; H01M16/003; H01M6/42; H02P2101/15	pure green
Climate change mitigation technologies related to energy generation, transmission or distribution		Y04S20/12; Y04S50/10; Y10S136/291; Y10S323/906; Y10T436/24	pure green
2. Climate change mitigation technologies related to energy generation, transmission or distribution	9	B01D2258/0208; B29L2031/3468; B63J2003/043; B66C1/108; B66C23/185; C01B2203/84; F16N2210/025; F17C2270/0763	pure green
2. Climate change mitigation technologies related to energy generation, transmission or distribution		F22B1/023; F28D2021/0054; G05D3/105; H01M10/0422; H01M10/049; H01M10/056; H01M10/66; H01M4/36	pure green
2. Climate change mitigation technologies related to energy generation, transmission or distribution		H01M4/64; H01M50/502; H01M50/531; H01M50/691; Y10S376/904; Y10T137/4757	pure green
2. Climate change mitigation technologies related to energy generation, transmission or distribution	10	B29L2031/085; B66C23/207; C10L2200/0469; C25D7/126; F16H2057/02078; G05B2219/2619; H01L27/1421; H01L31/0445	pure green
2. Climate change mitigation technologies related to energy generation, transmission or distribution		H01L31/0475; H01L31/068; H01L31/188; H01M10/465; H01M2010/4271; H01M2010/4278; H01M4/131; H01M4/136	pure green
2. Climate change mitigation technologies related to energy generation, transmission or distribution		H01M4/9016; H01M50/1385; H01M50/358; H01M50/529; H01M6/185; H05K2201/10037; Y10S977/948; Y10T29/49108	pure green
2. Climate change mitigation technologies related to energy generation, transmission or distribution	11	Y10T29/49355; Y10T29/53135	pure green
2. Climate change mitigation technologies related to energy generation, transmission or distribution	11	H01L25/042; H01L27/3227; H01L31/02008; H01L31/02021; H01L31/02167; H01L31/022425; H01L31/0504; H01L31/0725 H01L31/073; H01L31/074; H01L31/0745; H01L31/0749; H01L31/076; H01M10/6571; H01M4/1391; H01M4/1397	pure green
 Climate change mitigation technologies related to energy generation, transmission or distribution Climate change mitigation technologies related to energy generation, transmission or distribution 	12	H01L51/0/3; H01L51/0/4; H01L51/0/43; H01L51/0/49; H01L51/0/6; H01M10/65/1; H01M4/1591; H01M4/159/	pure green
Climate change intigation technologies related to energy generation, transmission of distribution Climate change mitigation technologies related to transportation	8	B01D2258/01: B01D2279/60: B01D35/005: B60W2710/06: B60Y2300/42: B60Y2300/52: G01K2205/04: G01M15/14	pure green fuel efficiency
Climate change intigation technologies related to transportation Climate change mitigation technologies related to transportation	9	B60K2015/03236; B60L226//12; B60L2270/12; B60W2510/0637; B60W2510/0657; B60W2510/0657; B60W2710/021	fuel efficiency
Climate change mitigation technologies related to transportation Climate change mitigation technologies related to transportation	10	B601.2270/142; B601.2270/145	fuel efficiency
Climate change mitigation technologies related to transportation	6	B60W2030/00; B60W2040/00; B60W2552/00; B60W2554/00; B60W2556/00; B60W30/00; B60W40/00	efficiency - unmatched
Climate change mitigation technologies related to transportation	8	B60L2270/40; B60L9/005; B60L9/32; B60M1/36; B60W2420/42; B60W2420/52; B60W2420/54; B60W2520/06	efficiency - unmatched
Climate change mitigation technologies related to transportation		B60W2520/10; B60W2540/043; B60W2540/10; B60W2540/16; B60W2540/18; B60W2540/215; B60W2540/221; B60W2555/20	efficiency - unmatched
Climate change mitigation technologies related to transportation		B60W2555/60; B60W2710/18; B60W2710/20; B60W2720/10; B60W2756/10; B60W50/0097; B60W50/06; B60W50/08	efficiency - unmatched
Climate change mitigation technologies related to transportation		B60W60/001	efficiency - unmatched
4. Climate change mitigation technologies related to transportation	9	B60K17/043; B60K17/16; B60M1/14; B60M1/28; B60M1/307; B60M1/34; B60W2050/0075; B60W2420/403	efficiency - unmatched
Climate change mitigation technologies related to transportation		B60W2510/305; B60W2720/403; B60W2754/30; B60W60/0053	efficiency - unmatched
Climate change mitigation technologies related to transportation	10	B60K17/08; B60L2270/147; B60W2050/0008; B60W2050/0018	efficiency - unmatched
Climate change mitigation technologies related to transportation	11	B60W2050/0005	efficiency - unmatched
Climate change mitigation technologies related to transportation	6	B60L1/00; B60L13/00; B60L15/00; B60L3/00; B60L5/00; B60L50/00; B60L53/00; B60L55/00	pure green
Climate change mitigation technologies related to transportation	0	B60L58/00; B60L7/00; B60M3/00; B60M7/00; B60W10/00; B60W20/00; B64D2211/00; B64D2221/00 B60K2001/002, B60K201/002, B60K7/0007; B60H2000/10, B60W20/00; B60W20/00; B64D2211/00; B64D2221/00	pure green
Climate change mitigation technologies related to transportation	8	B60K2001/003; B60K2016/003; B60K7/0007; B60L2200/10; B60L2200/12; B60L2200/18; B60L2200/22; B60L2200/26	pure green
Climate change mitigation technologies related to transportation Climate change mitigation technologies related to transportation		B60L2200/30; B60L2200/32; B60L2200/40; B60L2210/10; B60L2210/20; B60L2210/30; B60L2210/40; B60L2240/60 B60L2240/70; B60L2240/80; B60L2250/10; B60L2250/12; B60L2250/16; B60L2250/20; B60L2250/24; B60L2250/26	pure green
Climate change mitigation technologies related to transportation Climate change mitigation technologies related to transportation		B60L2240/70; B60L2240/80; B60L2250/10; B60L2250/12; B60L2250/16; B60L2250/20; B60L2250/24; B60L2250/26 B60L2260/20; B60L2270/20; B60L8/003; B60L8/006; B60L9/16; B60Y2300/91; B60Y2306/01; B63H21/12	pure green pure green
Climate change mitigation technologies related to transportation Climate change mitigation technologies related to transportation		B63H21/21; B64C3/32; B64D29/02; H01M2220/20; H02P2101/45; Y10S903/902	pure green
Climate change mitigation technologies related to transportation Climate change mitigation technologies related to transportation	q	B60H1/00385; B60L2220/12; B60L2220/14; B60L2220/16; B60L2220/42; B60L2220/44; B60L2220/46; B60L2220/58	pure green
Climate change mitigation technologies related to transportation Climate change mitigation technologies related to transportation	2	B60L2240/12; B60L2240/34; B60L2240/36; B60L2260/16; B60L2260/46; B60L2260/50; B60L2270/32; B60L2270/34	pure green
Climate change mitigation technologies related to transportation		B60W2510/081; B60W2510/083; B60Y2200/92; B60Y2400/112; B60Y2400/114; B64C2201/042	pure green
Climate change mitigation technologies related to transportation Climate change mitigation technologies related to transportation	10	B60K6/32; B60L2240/16; B60L2240/18; B60L2240/20; B60L2240/42; B60L2240/423; B60L2240/425; B60L2240/429	pure green
Climate change mitigation technologies related to transportation		B60L2240/441; B60L2240/443; B60L2240/445; B60L2240/461; B60L2240/463; B60L2240/486; B60L2240/507; B60L2240/525	pure green
4. Climate change mitigation technologies related to transportation		B60L2240/526; B60L2240/527; B60L2240/529; B60L2240/545; B60L2240/547; B60L2240/549; B60W2510/244; B63H2021/207	pure green
5. Climate change mitigation technologies related to buildings	8	F24D2200/04	fuel efficiency
5. Climate change mitigation technologies related to buildings	8	E04B9/001; F24D11/002; F24D12/02; F25D2201/10; F25D23/06	efficiency - unmatched
5. Climate change mitigation technologies related to buildings	9	F24F11/46; F24F12/002; F24F12/006	efficiency - unmatched
5. Climate change mitigation technologies related to buildings	10	E04D13/1643; E04D13/1681; E05Y2400/452; F24H3/0405	efficiency - unmatched
5. Climate change mitigation technologies related to buildings	8	F24D17/0005; F24D2200/12; F24D2200/14; F24F5/0046; F24H1/0018; F24H3/002; F27D17/004; Y10S315/07	pure green
5. Climate change mitigation technologies related to buildings	9	E06B2009/2476; F24D17/0063; F24H1/185	pure green
Climate change mitigation technologies related to buildings	11	E04C2/525	pure green
6. Climate change mitigation technologies related to wastewater treatment or waste management	8	Y10S588/90	pure green
Climate change mitigation technologies in the production or processing of goods	8	B60K15/01	fuel efficiency
Climate change mitigation technologies in the production or processing of goods	9	B60K15/04; G01M15/042; G01M15/06; G01M15/08	fuel efficiency

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OECD-env tech Categories assigned	Classified CPC level	CPC codes	Category
7. Climate change mitigation technologies in the production or processing of goods	6	B32B2457/00; F28D2015/00	efficiency - unmatched
7. Climate change mitigation technologies in the production or processing of goods	8	B65G15/60; F28D15/02; G05D1/0005; H03K19/0008; H03K2217/0036	efficiency - unmatched
7. Climate change mitigation technologies in the production or processing of goods	9	B22D25/04; B29L2031/7146; F28D2021/0043; H03F2201/3215	efficiency - unmatched
7. Climate change mitigation technologies in the production or processing of goods	10	B29D11/00817; G03F7/70433; G05B2219/25387; G05B2219/2639; G05D23/1923; G09G2330/023; H04B2201/70707	efficiency - unmatche
7. Climate change mitigation technologies in the production or processing of goods	11	H04B1/1615; H04B2001/045	efficiency - unmatche
7. Climate change mitigation technologies in the production or processing of goods	12	G05B23/0294	efficiency - unmatche
7. Climate change mitigation technologies in the production or processing of goods	13	G09G3/2965	efficiency - unmatched
7. Climate change mitigation technologies in the production or processing of goods	6	H02P15/00; H02P21/00; H02P31/00; H02P5/00; H05H1/00; H05H11/00; H05H13/00; H05H15/00	pure green
7. Climate change mitigation technologies in the production or processing of goods	8	F26B23/001; H02P2203/03; H02P2203/11; H02P2207/01; H02P2207/05; H02P23/14; H05H2242/20	pure green
7. Climate change mitigation technologies in the production or processing of goods	9	C01B2203/066; C04B2111/00853; F26B3/283; F26B3/30; H02P1/029; H02P1/04; H02P1/24; H02P1/46	pure green
7. Climate change mitigation technologies in the production or processing of goods	10	B60H1/143; H02P1/28; H02P1/30; H02P1/423	pure green
7. Climate change mitigation technologies in the production or processing of goods	11	C01B2203/0822	pure green
8. Climate change mitigation in information and communication technologies	8	A61B5/0002; G06F2119/06; G06F2119/08; H04L69/04	efficiency - unmatche
8. Climate change mitigation in information and communication technologies	9	G06F2212/1028; G11C5/141	efficiency - unmatched
8. Climate change mitigation in information and communication technologies	10	$G06F2212/1044; G11B2005/0021; H01H2003/3057; H01H2003/3068; H01H2085/025; H01L27/301; H04L27/3405; H04M1/73 \\ H04M1/73 $	efficiency - unmatched
8. Climate change mitigation in information and communication technologies		H04Q2209/886	efficiency - unmatched
8. Climate change mitigation in information and communication technologies	11	H01L51/5028; H04L12/1886; H04L41/0833	efficiency - unmatched
8. Climate change mitigation in information and communication technologies	12	H01L21/263	efficiency - unmatched

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