EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 493

DATE: JANUARY 1, 2018

PROJECT RP0511

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

Action	Subclass	Group(s)
SCHEME:		
Symbols New:	Y02A	Subclass
	Y02A	10/00, 10/11, 10/12, 10/13, 10/14, 10/15, 10/16, 10/17, 10/18, 10/20, 10/21, 10/22, 10/23, 10/24, 10/25, 10/26, 10/27, 10/28, 10/30, 10/31, 10/32, 10/33, 10/34, 10/35, 10/36, 10/37, 10/38, 10/383, 10/386, 10/39, 10/395, 10/40, 10/41, 10/42, 10/44, 10/46, 10/48
	Y02A	20/00, 20/10, 20/102, 20/104, 20/106, 20/108, 20/109, 20/112, 20/114, 20/116, 20/118, 20/119, 20/12, 20/124, 20/126, 20/128, 20/129, 20/131, 20/132, 20/134, 20/138, 20/141, 20/142, 20/144, 20/146, 20/148, 20/15, 20/152, 20/154, 20/156, 20/16, 20/18, 20/20, 20/202, 20/204, 20/206, 20/208, 20/211, 20/212, 20/214, 20/216, 20/218, 20/22, 20/30, 20/302, 20/304, 20/40, 20/402, 20/404, 20/406, 20/408, 20/411, 20/412, 20/414
	Y02A	30/00, 30/10, 30/12, 30/14, 30/16, 30/17, 30/18, 30/19, 30/20, 30/21, 30/22, 30/23, 30/24, 30/241, 30/242, 30/243, 30/244, 30/245, 30/246, 30/247, 30/248, 30/249, 30/25, 30/251, 30/252, 30/253, 30/254, 30/255, 30/256, 30/257, 30/259, 30/26, 30/261, 30/27, 30/272, 30/274, 30/276, 30/277, 30/278, 30/30, 30/31, 30/32, 30/33, 30/333, 30/336, 30/34, 30/35, 30/36, 30/38, 30/40, 30/45, 30/50, 30/60, 30/62, 30/64, 30/68
	Y02A	40/00, 40/10, 40/11, 40/12, 40/13, 40/132, 40/135, 40/138, 40/14, 40/143, 40/146, 40/15, 40/16, 40/162, 40/164, 40/166, 40/168, 40/17, 40/18, 40/19, 40/20, 40/201, 40/202, 40/203, 40/204, 40/205, 40/206, 40/207, 40/208, 40/209, 40/21, 40/211, 40/212, 40/213, 40/214, 40/215, 40/216, 40/22, 40/221, 40/222, 40/223, 40/224, 40/225, 40/226, 40/227, 40/228, 40/229, 40/23, 40/231, 40/232, 40/233, 40/234, 40/235, 40/236, 40/237, 40/238, 40/239, 40/24, 40/241, 40/242, 40/243, 40/25, 40/252, 40/254, 40/256, 40/258, 40/26, 40/262, 40/264, 40/266, 40/268, 40/27, 40/272, 40/274, 40/28, 40/282, 40/284, 40/286, 40/288, 40/29, 40/292, 40/294, 40/296, 40/298, 40/30, 40/302, 40/40, 40/50, 40/51, 40/52, 40/53, 40/55, 40/57, 40/58, 40/60, 40/70, 40/72, 40/73, 40/74,

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Action	Subclass	Group(s)
		40/75, 40/76, 40/78, 40/80, 40/81, 40/812, 40/814, 40/816, 40/818, 40/82, 40/822, 40/824, 40/826, 40/828, 40/83, 40/832, 40/834, 40/836, 40/838, 40/84, 40/845, 40/86, 40/88, 40/90, 40/92,40/922, 40/924, 40/926, 40/928, 40/94, 40/941, 40/942, 40/943, 40/944, 40/945, 40/946, 40/947, 40/948, 40/949, 40/95, 40/96, 40/961, 40/962, 40/963, 40/964, 40/965, 40/966,40/967, 40/968
	Y02A	50/00, 50/10, 50/12, 50/14, 50/16, 50/20, 50/21, 50/22, 50/23, 50/232, 50/2322, 50/2324, 50/2325, 50/2326, 50/2327, 50/2328, 50/234, 50/2341, 50/2342, 50/2343, 50/2344, 50/2345, 50/2346, 50/2347, 50/2348, 50/2349, 50/235, 50/2351, 50/2352, 50/2353, 50/2354, 50/2355, 50/2356, 50/2357, 50/2358, 50/2359, 50/24, 50/241, 50/242, 50/243, 50/244, 50/245, 50/246, 50/247, 50/248, 50/249, 50/25, 50/30, 50/31, 50/32, 50/321, 50/322, 50/323, 50/324, 50/325, 50/326, 50/327, 50/328, 50/329, 50/33, 50/331 ,50/332, 50/333, 50/334, 50/335, 50/336, 50/337, 50/338, 50/339, 50/34, 50/341, 50/342, 50/343, 50/344, 50/345, 50/346, 50/347, 50/348, 50/349, 50/35, 50/351, 50/352, 50/353, 50/354, 50/356, 50/357, 50/358, 50/359, 50/36, 50/37, 50/371, 50/372, 50/373, 50/374, 50/375, 50/38, 50/381, 50/382, 50/383, 50/384, 50/385, 50/386, 50/387, 50/388, 50/389, 50/39, 50/391, 50/392, 50/393, 50/394, 50/395, 50/396, 50/397, 50/398, 50/399, 50/40, 50/401, 50/402, 50/403, 50/404, 50/405, 50/406, 50/407, 50/408, 50/409, 50/41, 50/411, 50/412, 50/413, 50/414, 50/415, 50/416, 50/417, 50/418, 50/419, 50/42, 50/421, 50/422, 50/423, 50/45, 50/451, 50/452, 50/453, 50/454, 50/455, 50/456, 50/46, 50/462, 50/463, 50/464, 50/465, 50/466, 50/467, 50/468, 50/469, 50/47, 50/471, 50/472, 50/473, 50/474, 50/475, 50/476, 50/478, 50/479, 50/48, 50/481, 50/482, 50/483, 50/484, 50/485, 50/486, 50/487, 50/488, 50/489, 50/49, 50/491, 50/492, 50/50, 50/51, 50/52, 50/53, 50/54, 50/55, 50/56, 50/57, 50/58, 50/59, 50/60
	Y02A	90/00, 90/10, 90/12, 90/13, 90/14, 90/15, 90/16, 90/17, 90/18, 90/19, 90/20, 90/22, 90/24, 90/26, 90/30, 90/32, 90/34, 90/342, 90/344, 90/36, 90/40
Notes Modified:	Y02	subclass
Notes New:	Y02A	class

DATE: JANUARY 1, 2018

PROJECT RP0511

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

1. CLASSIFICATION SCHEME CHANGES

    ☒   A. New, Modified or Deleted Group(s)

    ☐   B. New, Modified or Deleted Warning(s)

    ☒   C. New, Modified or Deleted Note(s)

    ☐   D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

    ☐   A. New or Modified Definitions (Full definition template)

    ☐   B. Modified or Deleted Definitions (Definitions Quick Fix)

3. ☐   REVISION CONCORDANCE LIST (RCL)

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

5. ☐   CHANGES TO THE CROSS-REFERENCE LIST (CRL)

CPC NOTICE OF CHANGES 493

DATE: JANUARY 1, 2018

PROJECT RP0511

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS Y02A – TECHNOLOGIES FOR ADAPTATION TO CLIMATE CHANGE

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
U	Y02		TECHNOLOGIES OR APPLICATIONS FOR MITIGATION OR ADAPTATION AGAINST CLIMATE CHANGE	
N	Y02A		TECHNOLOGIES FOR ADAPTATION TO CLIMATE CHANGE	
N	Y02A10/00	0	at coastal zones; at river basins	
N	Y02A10/11	1	Hard structures	
N	Y02A10/12	2	Reservoirs; Polders	
N	Y02A10/13	2	Dykes; Dams	
N	Y02A10/14	2	Sea-walls, surge or tidal barriers	
N	Y02A10/15	2	Self-contained breakwaters	
N	Y02A10/16	2	Revetments of the shore	
N	Y02A10/17	2	Groynes	
N	Y02A10/18	2	Jetties or landing bridges	
N	Y02A10/20	1	Soft structures	
N	Y02A10/21	2	Land claim or beach nourishment	
N	Y02A10/22	2	Wetland restoration or creation	
N	Y02A10/23	2	Dune restoration or creation	
N	Y02A10/24	2	Cliff stabilization	
N	Y02A10/25	2	Artificial seaweed	
N	Y02A10/26	2	Artificial reefs	
N	Y02A10/27	2	Restoration or protection of coral reefs	
N	Y02A10/28	2	Sediment management	
N	Y02A10/30	1	Flood prevention; Flood management or accommodation; Storm water management	
N	Y02A10/31	2	Permanently installed flood barriers	
N	Y02A10/32	2	Temporarily installed flood barriers	
N	Y02A10/33	2	Infiltration of water into the ground	
N	Y02A10/34	2	Flood-proof sanitary latrines	
N	Y02A10/35	2	Revetments for protection of river banks or dykes	
N	Y02A10/36	2	Equalizing tanks in the sewage system for regulating the run-off	
N	Y02A10/37	2	Bioswales	
N	Y02A10/38	2	Changing the natural surface of ground to re-route water	
N	Y02A10/383	3	Weirs	
N	Y02A10/386	3	Locks	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A10/39	2	Evacuation systems	
N	Y02A10/395	2	Curb floodplain development for flood management	
N	Y02A10/40	1	Monitoring; Forecasting; Planning	
N	Y02A10/41	2	of coastal areas	
N	Y02A10/42	2	Real-time flood forecasting	
N	Y02A10/44	2	Disaster preparedness plans	
N	Y02A10/46	2	Computerized flood control, risk assessment or mapping	
N	Y02A10/48	2	Hazard insurance	
N	Y02A20/00	0	Water conservation; Efficient water supply; Efficient water use	
N	Y02A20/10	1	Relating to general water supply, e.g. municipal or domestic water supply	
N	Y02A20/102	2	Tanks	
N	Y02A20/104	3	for municipal applications	
N	Y02A20/106	3	for domestic applications	
N	Y02A20/108	2	Rainwater harvesting	
N	Y02A20/109	2	Obtaining drinking water from air humidity	
N	Y02A20/112	2	Obtaining drinking water from open water	
N	Y02A20/114	2	Water wells	
N	Y02A20/116	3	Vertical well filter pipes	
N	Y02A20/118	3	Borehole wells	
N	Y02A20/119	3	having horizontal or inclined filter pipes	
N	Y02A20/12	2	Multipurpose dams or barriers	
N	Y02A20/124	2	Water desalination	
N	Y02A20/126	3	characterized by the method	
N	Y02A20/128	4	Evaporation methods, e.g. distillation	
N	Y02A20/129	5	using solar energy	
N	Y02A20/131	4	Reverse-osmosis	
N	Y02A20/132	4	Freezing	
N	Y02A20/134	4	Electrodialysis	
N	Y02A20/138	3	powered by a renewable energy source	
N	Y02A20/141	4	the source being wind power	
N	Y02A20/142	4	the source being solar thermal or photovoltaics	
N	Y02A20/144	4	the source being wave energy	
N	Y02A20/146	2	Use of grey water	
N	Y02A20/148	3	using household water from wash basins or showers	
N	Y02A20/15	2	Leakage reduction or detection in water storage or distribution	
N	Y02A20/152	2	Water filtration	
N	Y02A20/154	3	of domestic water	
N	Y02A20/156	3	of municipal or industrial water	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A20/16	2	Water quality or standards enforcement	
N	Y02A20/18	2	Solar- or wind-powered water pumping	
N	Y02A20/20	2	Water pollution control technologies	
N	Y02A20/202	3	for households	
N	Y02A20/204	3	Keeping clear the surface of open water from oil spills	
N	Y02A20/206	3	Monitoring water for contaminating materials	
N	Y02A20/208	2	Off-grid powered water treatment	
N	Y02A20/211	3	Solar-powered water purification	
N	Y02A20/212	3	Solar-powered wastewater sewage treatment, e.g. spray evaporation	
N	Y02A20/214	3	Water treatment at point of use for potable water	
N	Y02A20/216	3	Wastewater treatment tanks	
N	Y02A20/218	2	Water metering with adaptation potential, e.g. aiming at water saving, leakage detection or avoidance, fraud or theft detection	
N	Y02A20/22	2	Pricing strategies aiming to limit water consumption or spillage, e.g. progressive pricing, fraud detection or fostering water saving	
N	Y02A20/30	1	Relating to industrial water supply, e.g. used for cooling	
N	Y02A20/302	2	Use of lower-grade water	
N	Y02A20/304	2	Recirculation	
N	Y02A20/40	1	Water resources protection or enhancement	
N	Y02A20/402	2	River restoration	
N	Y02A20/404	2	Saltwater intrusion barriers	
N	Y02A20/406	2	Aquifer recharge	
N	Y02A20/408	2	Draining or infiltration of impermeable surfaces for groundwater enrichment	
N	Y02A20/411	2	Water saving techniques at user level	
N	Y02A20/412	3	Reducing amount of water used by toilet flushing	
N	Y02A20/414	3	Water-saving for showers or bath tubs	
N	Y02A30/00	0	Adapting or protecting infrastructure or their operation	
N	Y02A30/10	1	in energy generation or distribution	
N	Y02A30/12	2	Weather forecasting for energy supply management	
N	Y02A30/14	2	Extreme weather resilient electric power supply system, e.g. strengthening power lines or underground power cables	
N	Y02A30/16	2	Flood resilient electric equipment	
N	Y02A30/17	3	Generators	
N	Y02A30/18	4	Uninterruptible power supply [UPS] systems; Backup generators	
N	Y02A30/19	3	Cabinets or switch boards	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A30/20	1	in buildings, dwellings or related infrastructures	
N	Y02A30/21	2	Floating houses	
N	Y02A30/22	2	Rotary buildings	
N	Y02A30/23	2	Elevated buildings	
N	Y02A30/24	2	Structural elements or technologies for improving thermal insulation	
N	Y02A30/241	3	Thermal insulation technologies with adaptation potential	
N	Y02A30/242	4	Slab shaped vacuum insulation	
N	Y02A30/243	4	Slab shaped aerogel insulation	
N	Y02A30/244	4	characterized by the use of locally available building materials	
N	Y02A30/245	5	of vegetal origin, e.g. thatching or straw	
N	Y02A30/246	5	of animal origin, e.g. wool or feathers	
N	Y02A30/247	5	using indigenous Earth materials, e.g. clay or stone	
N	Y02A30/248	5	Recycled materials, e.g. made of used tires, bumpers or newspapers	
N	Y02A30/249	3	Glazing	
N	Y02A30/25	4	Vacuum glazing	
N	Y02A30/251	4	Aerogel glazing systems	
N	Y02A30/252	3	Wooden or plastic window or door frames with extra insulation	
N	Y02A30/253	3	Roofs with adaptation potential	
N	Y02A30/254	4	Roof garden systems	
N	Y02A30/255	4	Roof coverings with high solar reflectance	
N	Y02A30/256	3	Floors specially adapted for storing heat or cold	
N	Y02A30/257	3	Light dependent control systems for sun shading	
N	Y02A30/259	2	Passive climatisation	
N	Y02A30/26	3	using air flow into the conditioned premises or facilities	
N	Y02A30/261	3	by improving the thermodynamic properties of the premises or facilities	
N	Y02A30/27	2	Relating to heating, ventilation or air conditioning [HVAC] technologies	
N	Y02A30/272	3	using solar thermal energy	
N	Y02A30/274	3	using waste energy, e.g. from internal combustion engine	
N	Y02A30/276	3	of the sorption type	
N	Y02A30/277	4	Absorption based systems	
N	Y02A30/278	4	Adsorption based systems	
N	Y02A30/30	1	in transportation	
N	Y02A30/31	2	Relating to road transportation	
N	Y02A30/32	3	Permeable parking lots	
N	Y02A30/33	3	Ground surface material	
N	Y02A30/333	4	Warm-mix asphalt	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A30/336	4	Engineered cementitious composite [ECC]	
N	Y02A30/34	2	Relating to waterways transportation	
N	Y02A30/35	3	Storm resilient vessels	
N	Y02A30/36	3	Active motion-dampening systems for ports	
N	Y02A30/38	2	Relating to railways transportation	
N	Y02A30/40	1	Relating to water supply or wastewater treatment	
N	Y02A30/45	2	Specially adapted pumping equipment e.g. for flood draining	
N	Y02A30/50	1	Resilient IT infrastructure	
N	Y02A30/60	1	Planning or developing urban green infrastructure	
N	Y02A30/62	2	Integration of district energy or distributed or on-site energy generation, e.g. combined heat and power generation or solar energy, in city layout	
N	Y02A30/64	2	for reducing heat island effects, e.g. by minimizing paved surfaces or by planting trees	
N	Y02A30/68	2	Sloping ground terrains in public areas	
N	Y02A40/00	0	Adaptation technologies in agriculture, forestry, livestock or agroalimentary production	
N	Y02A40/10	1	in agriculture	
N	Y02A40/11	2	Specially adapted for crops	
N	Y02A40/12	3	Precision agriculture	
N	Y02A40/13	3	Abiotic stress	
N	Y02A40/132	4	Plants tolerant to drought	
N	Y02A40/135	4	Plants tolerant to salinity	
N	Y02A40/138	4	Plants tolerant to heat	
N	Y02A40/14	3	with increased yield	
N	Y02A40/143	4	using agrochemicals	
N	Y02A40/146	4	Transgenic plants	
N	Y02A40/15	3	Fungal symbiosis	
N	Y02A40/16	3	Pest or insect control	
N	Y02A40/162	4	Genetically modified [GMO] plants resistant to insects	
N	Y02A40/164	4	Genetically modified [GMO] plants resistant to nematodes	
N	Y02A40/166	4	Ecological pest control, i.e. using competitors or parasites against crop pests	
N	Y02A40/168	4	Rainguards for rubber trees	
N	Y02A40/17	3	Aeroponics seed potato production	
N	Y02A40/18	3	Related to fertilizer management	
N	Y02A40/19	4	Integrated nutrient management, e.g. appropriate fertilizer use	
N	Y02A40/20	4	Sustainable fertilizers of biological origin	
N	Y02A40/201	5	Fertilizers made from animal corpses or parts thereof	

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N	Y02A40/202	6	from fish or from fish-wastes	
N	Y02A40/203	6	from meat-wastes or from other wastes of animal origin, e.g. skins, hair, hoofs, feathers, blood	
N	Y02A40/204	6	Apparatus for their manufacture	
N	Y02A40/205	5	Fertilizers from human or animal excrements, e.g. manure	
N	Y02A40/206	6	Guano	
N	Y02A40/207	6	from human fecal masses	
N	Y02A40/208	6	Apparatus for the manufacture	
N	Y02A40/209	5	Fertilizers made from waste originating from industrial processing of raw material of agricultural origin or derived products thereof	
N	Y02A40/21	6	Solid waste from mechanical processing of material, e.g. seed coats, olive pits, almond shells, fruit residue, rice hulls	
N	Y02A40/211	6	Waste from chemical processing of material, e.g. distillation, roasting, cooking	
N	Y02A40/212	7	Waste from biochemical processing of material, e.g. fermentation, breweries	
N	Y02A40/213	5	Fertilizers from waste water, sewage sludge, sea slime, ooze or similar masses	
N	Y02A40/214	5	Fertilizers from household or town refuse	
N	Y02A40/215	6	Apparatus for the manufacture	
N	Y02A40/216	6	Biological compost	
N	Y02A40/22	2	Improving land use; Improving water use or availability; Controlling erosion	
N	Y02A40/221	3	Change land topography to improve water uptake or to reduce wind erosion	
N	Y02A40/222	4	by subdividing large fields	
N	Y02A40/223	4	Grass waterways maintenance	
N	Y02A40/224	4	by roughening land surface	
N	Y02A40/225	4	Windbreaks	
N	Y02A40/226	3	Floating agriculture	
N	Y02A40/227	3	Control of sand encroachment	
N	Y02A40/228	3	Wetland restoration or protection	
N	Y02A40/229	3	Biochar technologies	
N	Y02A40/23	3	Improving water use or availability; Controlling erosion	
N	Y02A40/231	4	in rain-fed agriculture	
N	Y02A40/232	5	Soil conservation	
N	Y02A40/233	6	Methods for working soils	
N	Y02A40/234	6	Moss gardening	
N	Y02A40/235	4	in irrigated agriculture	
N	Y02A40/236	5	Tillage conservation	

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N	Y02A40/237	5	Efficient irrigation techniques, e.g. drip irrigation, sprinkler or spray irrigation	
N	Y02A40/238	6	Irrigation information systems	
N	Y02A40/239	6	Lining of canals with plastic films	
N	Y02A40/24	6	Concentrate irrigation in periods of peak growth	
N	Y02A40/241	5	using brackish water	
N	Y02A40/242	3	Limiting land conversion or deforestation	
N	Y02A40/243	3	Afforestation or reforestation	
N	Y02A40/25	2	Greenhouse technology	
N	Y02A40/252	3	Constructional details of greenhouses	
N	Y02A40/254	4	Dismountable or portable greenhouses; Greenhouses with sliding roofs	
N	Y02A40/256	3	Lighting systems for greenhouses	
N	Y02A40/258	3	Shading devices for greenhouses	
N	Y02A40/26	4	Lamellar or like blinds	
N	Y02A40/262	4	Inflatable structures	
N	Y02A40/264	3	Devices or systems for heating, ventilating, regulating temperature, or watering	
N	Y02A40/266	4	Collecting solar energy	
N	Y02A40/268	4	Air-conditioning systems	
N	Y02A40/27	4	Watering arrangements	
N	Y02A40/272	5	Efficient watering	
N	Y02A40/274	4	Electric devices	
N	Y02A40/28	2	specially adapted for farming	
N	Y02A40/282	3	Changing farming practices to conserve soil moisture or nutrients; Reduce run-off or control soil erosion	
N	Y02A40/284	4	Mulch stubble or straw	
N	Y02A40/286	4	Crops rotation	
N	Y02A40/288	4	Avoiding mono-cropping; Crop diversification	
N	Y02A40/29	4	using lower planting densities	
N	Y02A40/292	4	Terracing	
N	Y02A40/294	4	Agro-forestry, silviculture or mixed farming solutions	
N	Y02A40/296	4	Bushfire prevention; Prescribed fire, i.e. controlled burning to reduce fuel buildup	
N	Y02A40/298	4	Forest fire control	
N	Y02A40/30	3	Timing of farming operations	
N	Y02A40/302	4	Advance sowing dates to offset moisture stress during warm periods	
N	Y02A40/40	2	Management of saline soils	
N	Y02A40/50	2	Evapotranspiration	
N	Y02A40/51	2	specially adapted for storing agricultural or horticultural products	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A40/52	3	Racks for drying purposes	
N	Y02A40/53	4	Natural, e.g. solar drying	
N	Y02A40/55	3	Silos for storing seeds or grain	
N	Y02A40/57	3	Off-grid powered storage	
N	Y02A40/58	4	using renewable energies	
N	Y02A40/60	1	Ecological corridors or buffer zones	
N	Y02A40/70	1	in livestock or poultry	
N	Y02A40/72	2	Climate tolerant animal varieties , e.g. selective breeding	
N	Y02A40/73	3	Providing additional fodder for cattle during the dry season, e.g. by using fodder banks	
N	Y02A40/74	3	Optimising pasture management	
N	Y02A40/75	2	Environmental control in livestock or poultry housing, e.g. of temperature or humidity	
N	Y02A40/76	3	using renewable energy	
N	Y02A40/78	2	Livestock or poultry disease management, wherein the disease is affected by climate change	
N	Y02A40/80	1	in fisheries management	
N	Y02A40/81	2	Aquaculture, i.e. culture of aquatic animals	
N	Y02A40/812	3	of fish	
N	Y02A40/814	4	Prevention or treatment of fish diseases	
N	Y02A40/816	4	Hatching, e.g. incubators	
N	Y02A40/818	4	Alternative feeds for fish aquaculture	
N	Y02A40/82	3	of shellfish	
N	Y02A40/822	4	of bivalves, e.g. oysters or mussels	
N	Y02A40/824	4	of crustaceans, e.g. lobsters or shrimps	
N	Y02A40/826	3	Floating cultivation devices, e.g. rafts or floating fish-farms	
N	Y02A40/828	4	Connecting or mooring devices therefor	
N	Y02A40/83	3	Artificial fishing banks or reefs	
N	Y02A40/832	4	made of tyres	
N	Y02A40/834	4	assembled of components	
N	Y02A40/836	4	floating	
N	Y02A40/838	4	of monolithic form, e.g. blocks	
N	Y02A40/84	4	Arrangements for sinking or mooring thereof	
N	Y02A40/845	3	Feeding devices	
N	Y02A40/86	2	Information Technologies [IT] supporting fishing	
N	Y02A40/88	2	Seaweed farming; Management of sea grass beds	
N	Y02A40/90	1	in food processing or handling	
N	Y02A40/92	2	in food processing	
N	Y02A40/922	3	Technologies for reducing water consumption	
N	Y02A40/924	3	using renewable energies	
N	Y02A40/926	4	Cooking stoves or furnaces using solar heat	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A40/928	4	Cooking stoves using biomass	
N	Y02A40/94	2	relating to food conservation	
N	Y02A40/941	3	using natural products	
N	Y02A40/942	4	using natural sugars	
N	Y02A40/943	4	using natural acids, e.g. vinegar, citric	
N	Y02A40/944	4	using vegetal oils	
N	Y02A40/945	4	Salt based conservation	
N	Y02A40/946	5	using brine	
N	Y02A40/947	3	Off-grid thermal processing	
N	Y02A40/948	4	Sun drying	
N	Y02A40/949	4	Food smoking	
N	Y02A40/95	4	of edible seeds	
N	Y02A40/96	2	relating to food management or storing	
N	Y02A40/961	3	Biopackaging, e.g. packaging containers made from renewable materials, bioplastics or biodegradable materials	
N	Y02A40/962	3	Wood Barrels	
N	Y02A40/963	3	Off-grid food refrigeration	
N	Y02A40/964	4	Devices using naturally cold air or forced air convection	
N	Y02A40/965	4	Devices using heat pumps	
N	Y02A40/966	4	Powered by renewable energy sources	
N	Y02A40/967	4	using waste heat, e.g. from an internal combustion engine	
N	Y02A40/968	4	using ice	
N	Y02A50/00		in human health protection	
N	Y02A50/10	1	against extreme weather events	
N	Y02A50/12	2	Early warning systems for extreme weather events	
N	Y02A50/14	2	Storm shelters or storm cellars	
N	Y02A50/16	2	Landslide or mudflow monitoring or protecting systems	
N	Y02A50/20	1	Air quality improvement or preservation	
N	Y02A50/21	2	Mechanical or electrostatic filtering in heating, ventilation or air conditioning [HVAC]	
N	Y02A50/22	2	Air sterilisation or disinfection	
N	Y02A50/23	2	Emission reduction or control	
N	Y02A50/232	3	Catalytic converters	
N	Y02A50/2322	4	for exhaust after-treatment of internal combustion engines in vehicles	
N	Y02A50/2324	5	Three way catalysts, i.e. for controlled oxidation or reduction of exhaust gases, e.g. stoichiometric equivalence ratio	
N	Y02A50/2325	5	Selective Catalytic Reactors [SCR]	
N	Y02A50/2326	4	for industrial applications	
N	Y02A50/2327	5	in chemical or petrochemical processes,	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A50/2328	5	Burners or incinerators e.g. of waste or waste gases	
N	Y02A50/234	3	Physical or chemical processes, e.g. absorption, adsorption or filtering, characterised by the type of pollutant	
N	Y02A50/2341	4	Carbon monoxide [CO]	
N	Y02A50/2342	4	Carbon dioxide [CO_2]	
N	Y02A50/2343	4	Lead [Pb]	
N	Y02A50/2344	4	Nitrogen oxides [NO_x]	
N	Y02A50/2345	5	Nitrogen dioxide [NO_2]	
N	Y02A50/2346	4	Ammonia [NH_3]	
N	Y02A50/2347	4	Ground-level ozone	
N	Y02A50/2348	4	Sulfur oxides [SO_x]	
N	Y02A50/2349	5	Sulfur dioxide [SO_2]	
N	Y02A50/235	4	Volatile organic compounds [VOC]	
N	Y02A50/2351	4	Atmospheric particulate matter [PM], e.g. carbon smoke microparticles, smog, aerosol particles, dust	
N	Y02A50/2352	5	the particulate matter coming from a source on-board a vehicle, e.g. removed by diesel particulate filters [DPF]	
N	Y02A50/2353	5	the particulate matter coming from stationary sources, e.g. power plants, steel mills, smelters, cement plants, refineries or incinerators	
N	Y02A50/2354	6	Cyclones	
N	Y02A50/2355	6	Filters	
N	Y02A50/2356	6	Scrubbers, spray chambers, pack towers	
N	Y02A50/2357	6	Electrostatic precipitators	
N	Y02A50/2358	3	Biological purification of waste gases	
N	Y02A50/2359	4	with gas-solid contact	
N	Y02A50/24	2	Pollution monitoring	
N	Y02A50/241	3	specially adapted for public areas	
N	Y02A50/242	3	characterized by the pollutant	
N	Y02A50/243	4	Carbon monoxide [CO]	
N	Y02A50/244	4	Carbon dioxide [CO_2]	
N	Y02A50/245	4	Nitrogen Oxides [NO_x]	
N	Y02A50/246	4	Ammonia [NH_3]	
N	Y02A50/247	4	Ozone [O_3]	
N	Y02A50/248	4	Sulfur oxides [SO_x]	
N	Y02A50/249	4	Volatile Organic Compounds [VOC]	
N	Y02A50/25	4	Atmospheric particulate matter [PM] e.g. carbon smoke microparticles, smog, aerosol particles, dust	
N	Y02A50/30	1	Against vector-borne diseases, e.g. mosquito-borne, fly-borne, tick-borne or waterborne diseases whose impact is exacerbated by climate change	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A50/31	2	Vector control	
N	Y02A50/32	3	using natural substances as pesticides or insecticides, for fighting the disease vector	
N	Y02A50/321	4	characterised by the vector	
N	Y02A50/322	5	Ticks	
N	Y02A50/323	5	Insects	
N	Y02A50/324	6	Stink bugs, bed bugs, kissing bugs or triatomine bugs	
N	Y02A50/325	6	Chigoe or jigger fleas, cat fleas, moorhen fleas or rat fleas	
N	Y02A50/326	6	Sand flies, black flies or Tsetse flies	
N	Y02A50/327	6	Mosquitos	
N	Y02A50/328	7	Aedes	
N	Y02A50/329	7	Culex	
N	Y02A50/33	7	Anopheles; Culiseta; Mansonia; Psorophora	
N	Y02A50/331	5	Snails of the genus Biomphalaria, Oncomelania or Bulinus	
N	Y02A50/332	4	characterised by the natural substance	
N	Y02A50/333	5	Substances of botanical origin, e.g. essential oils, waxes, flowers, seeds, leafs or wood	
N	Y02A50/334	6	Plant oils, i.e. vegetable or essential oils	
N	Y02A50/335	7	Canola oil	
N	Y02A50/336	7	Castor oil	
N	Y02A50/337	7	Catnip oil, e.g. nepetalactone	
N	Y02A50/338	7	Cedar oil	
N	Y02A50/339	7	Cinnamon oil	
N	Y02A50/34	7	Citronella oil	
N	Y02A50/341	7	Coconut oil	
N	Y02A50/342	7	Eucalyptus oil	
N	Y02A50/343	7	Lemon oil	
N	Y02A50/344	7	Geranium oil	
N	Y02A50/345	7	Mustard oil	
N	Y02A50/346	7	Neem oil, e.g. Azadirachtin	
N	Y02A50/347	7	Orange oil	
N	Y02A50/348	7	Soybean oil	
N	Y02A50/349	6	Camphor	
N	Y02A50/35	6	Garlic	
N	Y02A50/351	6	Pepper	
N	Y02A50/352	6	Rotenone	
N	Y02A50/353	6	Tobacco or nicotine	
N	Y02A50/354	6	Pyrethrum, e.g. Chrysanthemum cinerariifolium	
N	Y02A50/356	5	Fermented microbes, e.g. abermectins or spinosad	
N	Y02A50/357	5	Substances of mineral origin	
N	Y02A50/358	6	Sulfur	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A50/359	6	Kaolin; Diatomaceous earth	
N	Y02A50/36	5	Natural soaps	
N	Y02A50/37	3	Means for catching or killing the vector, e.g. traps or nets	
N	Y02A50/371	4	the vector being mosquitos	
N	Y02A50/372	5	Impregnated bed nets; Long-lasting insecticidal bed nets [LLINs]	
N	Y02A50/373	4	the vector being flies	
N	Y02A50/374	4	the vector being stink bugs, kissing bugs, triatomine bugs or fleas	
N	Y02A50/375	4	the vector being ticks	
N	Y02A50/38	2	Medical treatment of vector-borne diseases characterised by the agent	
N	Y02A50/381	3	the vector-borne disease being caused by a virus	
N	Y02A50/382	4	of the genus Alphavirus, i.e. Chikungunya	
N	Y02A50/383	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/384	4	of the genus Flavivirus	
N	Y02A50/385	5	the disease being Dengue	
N	Y02A50/386	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/387	5	the disease being Yellow fever, i.e. Ochropyra	
N	Y02A50/388	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/389	5	the disease being Japanese encephalitis	
N	Y02A50/39	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/391	5	the disease being Zika	
N	Y02A50/392	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/393	5	the disease being West Nile fever	
N	Y02A50/394	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/395	5	the disease being Tick-borne encephalitis [TBE]	
N	Y02A50/396	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/397	4	of the genus Nairovirus, i.e. Congo-Crimean haemorrhagic fever or Rift valley fever or Hantaan haemorrhagic fever	
N	Y02A50/398	3	the vector-borne disease being caused by a bacteria	
N	Y02A50/399	4	of the genus Borrellia	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A50/40	5	the bacteria being Borrelia crocidurae, Borrelia duttoni, Borrelia hermsii, Borrelia hispanica, Borrelia miyamotoi, Borrelia parkeri or Borrelia turicatae, i.e. relapsing fever or borreliosis	
N	Y02A50/401	5	the bacteria being Borrelia burgdorferi, i.e. Lyme disease or Lyme borreliosis	
N	Y02A50/402	4	of the genus Rickettsia, Orientia, Ehrlichia, Neorickettsia, Neoehrlichia or Anaplasma, i.e. Rickettsial diseases, e.g. spotted fever	
N	Y02A50/403	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/404	5	the bacteria being Francisella tularensis, i.e. Tularaemia	
N	Y02A50/405	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/406	5	the bacteria being Yersinia pestis, i.e. Plague	
N	Y02A50/407	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/408	3	the vector-borne disease being caused by a protozoa	
N	Y02A50/409	4	of the genus Leishmania i.e. Leishmaniasis, Sand-fly fever, phlebotomus fever, kala-azar, black fever or Dumdum fever	
N	Y02A50/41	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/411	4	of the genus Plasmodium, i.e. Malaria	
N	Y02A50/412	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/413	4	of the genus Trypanosoma	
N	Y02A50/414	5	the protozoa being Trypanosoma cruzi i.e. Chagas disease or American trypanosomiasis	
N	Y02A50/415	5	the protozoa being Trypanosoma brucei gambiense or Trypanosoma brucei rhodesiense, i.e. Human African trypanosomiasis or sleeping sickness	
N	Y02A50/416	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/417	3	the vector-borne disease being caused by a helminth, i.e. Helmanthiasis	
N	Y02A50/418	4	of the phylum nematoda	
N	Y02A50/419	5	the nematode being Dracunculus medinensis or Guinea worm, i.e. Dracunculiasis	
N	Y02A50/42	5	the nematode being a filarial worm	
N	Y02A50/421	6	the filarial worm being Wuchereria bancrofti, brugia malayi or Brugia timor, i.e. Lymphatic filariasis	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A50/422	6	the filarial worm being Onchocerca volvulus, i.e. Onchocerciasis or river blindness	
N	Y02A50/423	4	the helminth being a trematode flatworm of the genus Schistosoma, i.e. Schistosomiasis or bilharziasis	
N	Y02A50/45	2	Means for preventing water-borne diseases	
N	Y02A50/451	3	Genetic or molecular screening of pathogens	
N	Y02A50/452	3	Non water-based sanitation	
N	Y02A50/453	4	Pit latrines	
N	Y02A50/454	4	Dry closets e.g. incinerator closets	
N	Y02A50/455	5	having means for adding powder, e.g. earth	
N	Y02A50/456	4	Chemical toilets	
N	Y02A50/46	2	Medical treatment of waterborne diseases characterized by the agent	
N	Y02A50/462	3	The waterborne disease being caused by a virus	
N	Y02A50/463	4	the virus being the Hepatitis A virus [HAV]	
N	Y02A50/464	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/465	4	the virus being the poliovirus, i.e. Poliomyelitis or Polio	
N	Y02A50/466	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/467	4	of the genus Polyomavirus: JC virus or BK virus, i.e. Polyomavirus infection	
N	Y02A50/468	3	The waterborne disease being caused by a bacteria	
N	Y02A50/469	4	the bacteria being clostridium botulinum, i.e. Botulism	
N	Y02A50/47	4	the bacteria being Campylobacter jejuni, i.e. Campylobacteriosis	
N	Y02A50/471	4	the bacteria being Vibrio cholerae, i.e. Cholera	
N	Y02A50/472	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/473	4	the bacteria being Escherichia coli, i.e. E. coli Infection	
N	Y02A50/474	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/475	4	of the genus Shigella, i.e. Dysentery	
N	Y02A50/476	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/478	4	of the genus Legionella, i.e. Legionellosis or Legionnaires' disease	
N	Y02A50/479	4	of the genus Leptospira, i.e. Leptospirosis	
N	Y02A50/48	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/481	4	of the genus Salmonella, i.e. Salmonellosis	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A50/482	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/483	5	the bacteria being Salmonella typhi, i.e. Typhoid fever	
N	Y02A50/484	6	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/485	3	The waterborne disease being caused by a protozoa	
N	Y02A50/486	4	the protozoan being Entamoeba histolytica, i.e. Amoebiasis	
N	Y02A50/487	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/488	4	the protozoan being Cryptosporidium parvum, i.e. Cryptosporidiosis	
N	Y02A50/489	5	the medicinal preparation containing antigens or antibodies, e.g. vaccines, antisera	
N	Y02A50/49	4	the protozoan being Cyclospora cayetanensis, i.e. Cyclosporiasis	
N	Y02A50/491	4	the protozoan being Giardia lamblia or Giardia intestinalis, i.e. Giardiasis	
N	Y02A50/492	4	of the phylum Microsporidia, i.e. Microsporidiosis	
N	Y02A50/50	2	Chemical or biological analysis of biological material for identifying the disease, e.g. blood or urine testing, rapid diagnostic tests [RTDs] or immunological testing	
N	Y02A50/51	3	the disease being Chikungunya fever	
N	Y02A50/52	3	the disease being Cholera	
N	Y02A50/53	3	the disease being Dengue fever	
N	Y02A50/54	3	the disease being Hepatitis A	
N	Y02A50/55	3	the disease being Leishmaniasis, Sand-fly fever, phlebotomus fever, kala-azar, black fever or Dumdum fever	
N	Y02A50/56	3	the disease being Leptospirosis	
N	Y02A50/57	3	the disease being Lyme disease or Lyme borreliosis	
N	Y02A50/58	3	the disease being Malaria	
N	Y02A50/59	3	the disease being Typhus or typhoid fever	
N	Y02A50/60	3	the disease being Yellow fever or Ochropyra	
N	Y02A90/00		Technologies having an indirect contribution to adaptation to climate change	
N	Y02A90/10	1	Information and communication technologies [ICT] supporting adaptation to climate change.	
N	Y02A90/12	2	Specially adapted for meteorology, e.g. weather forecasting, climate modelling	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	Y02A90/13	3	Monitoring or forecasting for establishing the amount of global warming	
N	Y02A90/14	3	Real-time meteorological measuring	
N	Y02A90/15	3	Weather or climate specific geographic information systems [GIS], databases or models	
N	Y02A90/16	3	Climate simulation; Climate scenario development	
N	Y02A90/17	3	Weather surveillance systems using the reflection or reradiation of electromagnetic waves	
N	Y02A90/18	4	Radar-based	
N	Y02A90/19	4	Based on light detection and ranging [LIDAR] systems	
N	Y02A90/20	2	specially adapted for the handling or processing of medical or healthcare data, relating to climate change	
N	Y02A90/22	3	for administrative, organizational or management aspects influenced by climate change adaptation	
N	Y02A90/24	3	for detecting, monitoring or modelling of medical or healthcare patterns in geographical or climatic regions, e.g. epidemics or pandemics	
N	Y02A90/26	3	for diagnosis or treatment, for medical simulation or for handling medical devices	
N	Y02A90/30	1	Assessment of water resources	
N	Y02A90/32	2	based on topography, e.g. mapping, location, large scale investigation of water resources or satellite or aerial imagery	
N	Y02A90/34	2	Hydrogeology; Hydrogeophysics	
N	Y02A90/342	3	by measuring electric resistivity	
N	Y02A90/344	3	by measuring magnetic field strength	
N	Y02A90/36	2	Seismic methods or vibration analysis	
N	Y02A90/40	1	Monitoring or fighting invasive species	

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

NOTES:
- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.

- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except "D" which requires only a symbol.
- #"Transferred to" column <u>must</u> be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the "Transferred to" column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: "< administrative transfer to XX>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

B. New, Modified or Deleted Note(s)

SUBCLASS Y02A – TECHNOLOGIES FOR ADAPTATION TO CLIMATE CHANGE

Type*	Location	Old Note	New/Modified Note
M	Y02/Class Notes	1. This class <u>covers</u> selected technologies, which control, reduce or prevent anthropogenic emissions of greenhouse gases [GHG], as controlled by the Kyoto Protocol. 2. If appropriate, a document can receive more than one indexing code of this class	1. This class covers selected technologies, which control, reduce or prevent anthropogenic emissions of greenhouse gases [GHG], in the framework of the Kyoto Protocol and the Paris Agreement, and also technologies which allow adapting to the adverse effects of climate change. 2. If appropriate, a document can receive more than one indexing code of this class.
N	Y02A		This subclass covers technologies for adaptation to climate change, i.e. technologies that allow adapting to the adverse effects of climate change in human, industrial (including agriculture and livestock) and economic activities.

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

CPC NOTICE OF CHANGES 493

DATE: JANUARY 1, 2018

PROJECT RP0511

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

CPC	IPC	Action*
Y02A10/00	CPCONLY	NEW
Y02A10/11	CPCONLY	NEW
Y02A10/12	CPCONLY	NEW
Y02A10/13	CPCONLY	NEW
Y02A10/14	CPCONLY	NEW
Y02A10/15	CPCONLY	NEW
Y02A10/16	CPCONLY	NEW
Y02A10/17	CPCONLY	NEW
Y02A10/18	CPCONLY	NEW
Y02A10/20	CPCONLY	NEW
Y02A10/21	CPCONLY	NEW
Y02A10/22	CPCONLY	NEW
Y02A10/23	CPCONLY	NEW
Y02A10/24	CPCONLY	NEW
Y02A10/25	CPCONLY	NEW
Y02A10/26	CPCONLY	NEW
Y02A10/27	CPCONLY	NEW
Y02A10/28	CPCONLY	NEW
Y02A10/30	CPCONLY	NEW
Y02A10/31	CPCONLY	NEW
Y02A10/32	CPCONLY	NEW
Y02A10/33	CPCONLY	NEW
Y02A10/34	CPCONLY	NEW
Y02A10/35	CPCONLY	NEW
Y02A10/36	CPCONLY	NEW
Y02A10/37	CPCONLY	NEW
Y02A10/38	CPCONLY	NEW
Y02A10/383	CPCONLY	NEW
Y02A10/386	CPCONLY	NEW
Y02A10/39	CPCONLY	NEW
Y02A10/395	CPCONLY	NEW
Y02A10/40	CPCONLY	NEW
Y02A10/41	CPCONLY	NEW
Y02A10/42	CPCONLY	NEW
Y02A10/44	CPCONLY	NEW
Y02A10/46	CPCONLY	NEW
Y02A10/48	CPCONLY	NEW
Y02A20/00	CPCONLY	NEW
Y02A20/10	CPCONLY	NEW
Y02A20/102	CPCONLY	NEW
Y02A20/104	CPCONLY	NEW

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CPC	IPC	Action*
Y02A20/106	CPCONLY	NEW
Y02A20/108	CPCONLY	NEW
Y02A20/109	CPCONLY	NEW
Y02A20/112	CPCONLY	NEW
Y02A20/114	CPCONLY	NEW
Y02A20/116	CPCONLY	NEW
Y02A20/118	CPCONLY	NEW
Y02A20/119	CPCONLY	NEW
Y02A20/12	CPCONLY	NEW
Y02A20/124	CPCONLY	NEW
Y02A20/126	CPCONLY	NEW
Y02A20/128	CPCONLY	NEW
Y02A20/129	CPCONLY	NEW
Y02A20/131	CPCONLY	NEW
Y02A20/132	CPCONLY	NEW
Y02A20/134	CPCONLY	NEW
Y02A20/138	CPCONLY	NEW
Y02A20/141	CPCONLY	NEW
Y02A20/142	CPCONLY	NEW
Y02A20/144	CPCONLY	NEW
Y02A20/146	CPCONLY	NEW
Y02A20/148	CPCONLY	NEW
Y02A20/15	CPCONLY	NEW
Y02A20/152	CPCONLY	NEW
Y02A20/154	CPCONLY	NEW
Y02A20/156	CPCONLY	NEW
Y02A20/18	CPCONLY	NEW
Y02A20/16	CPCONLY	NEW
Y02A20/20	CPCONLY	NEW
Y02A20/202	CPCONLY	NEW
Y02A20/204	CPCONLY	NEW
Y02A20/206	CPCONLY	NEW
Y02A20/208	CPCONLY	NEW
Y02A20/211	CPCONLY	NEW
Y02A20/212	CPCONLY	NEW
Y02A20/214	CPCONLY	NEW
Y02A20/216	CPCONLY	NEW
Y02A20/218	CPCONLY	NEW
Y02A20/22	CPCONLY	NEW
Y02A20/30	CPCONLY	NEW
Y02A20/302	CPCONLY	NEW
Y02A20/304	CPCONLY	NEW
Y02A20/40	CPCONLY	NEW

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CPC	IPC	Action*
Y02A20/402	CPCONLY	NEW
Y02A20/404	CPCONLY	NEW
Y02A20/406	CPCONLY	NEW
Y02A20/408	CPCONLY	NEW
Y02A20/411	CPCONLY	NEW
Y02A20/412	CPCONLY	NEW
Y02A20/414	CPCONLY	NEW
Y02A30/00	CPCONLY	NEW
Y02A30/10	CPCONLY	NEW
Y02A30/12	CPCONLY	NEW
Y02A30/14	CPCONLY	NEW
Y02A30/16	CPCONLY	NEW
Y02A30/17	CPCONLY	NEW
Y02A30/18	CPCONLY	NEW
Y02A30/19	CPCONLY	NEW
Y02A30/20	CPCONLY	NEW
Y02A30/21	CPCONLY	NEW
Y02A30/22	CPCONLY	NEW
Y02A30/23	CPCONLY	NEW
Y02A30/24	CPCONLY	NEW
Y02A30/241	CPCONLY	NEW
Y02A30/242	CPCONLY	NEW
Y02A30/243	CPCONLY	NEW
Y02A30/244	CPCONLY	NEW
Y02A30/245	CPCONLY	NEW
Y02A30/246	CPCONLY	NEW
Y02A30/247	CPCONLY	NEW
Y02A30/248	CPCONLY	NEW
Y02A30/249	CPCONLY	NEW
Y02A30/25	CPCONLY	NEW
Y02A30/251	CPCONLY	NEW
Y02A30/252	CPCONLY	NEW
Y02A30/253	CPCONLY	NEW
Y02A30/254	CPCONLY	NEW
Y02A30/255	CPCONLY	NEW
Y02A30/256	CPCONLY	NEW
Y02A30/257	CPCONLY	NEW
Y02A30/259	CPCONLY	NEW
Y02A30/26	CPCONLY	NEW
Y02A30/261	CPCONLY	NEW
Y02A30/27	CPCONLY	NEW
Y02A30/272	CPCONLY	NEW
Y02A30/274	CPCONLY	NEW

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CPC	IPC	Action*
Y02A30/276	CPCONLY	NEW
Y02A30/277	CPCONLY	NEW
Y02A30/278	CPCONLY	NEW
Y02A30/30	CPCONLY	NEW
Y02A30/31	CPCONLY	NEW
Y02A30/32	CPCONLY	NEW
Y02A30/33	CPCONLY	NEW
Y02A30/333	CPCONLY	NEW
Y02A30/336	CPCONLY	NEW
Y02A30/34	CPCONLY	NEW
Y02A30/35	CPCONLY	NEW
Y02A30/36	CPCONLY	NEW
Y02A30/38	CPCONLY	NEW
Y02A30/40	CPCONLY	NEW
Y02A30/45	CPCONLY	NEW
Y02A30/50	CPCONLY	NEW
Y02A30/60	CPCONLY	NEW
Y02A30/62	CPCONLY	NEW
Y02A30/64	CPCONLY	NEW
Y02A30/68	CPCONLY	NEW
Y02A40/00	CPCONLY	NEW
Y02A40/10	CPCONLY	NEW
Y02A40/11	CPCONLY	NEW
Y02A40/12	CPCONLY	NEW
Y02A40/13	CPCONLY	NEW
Y02A40/132	CPCONLY	NEW
Y02A40/135	CPCONLY	NEW
Y02A40/138	CPCONLY	NEW
Y02A40/14	CPCONLY	NEW
Y02A40/143	CPCONLY	NEW
Y02A40/146	CPCONLY	NEW
Y02A40/15	CPCONLY	NEW
Y02A40/16	CPCONLY	NEW
Y02A40/162	CPCONLY	NEW
Y02A40/164	CPCONLY	NEW
Y02A40/166	CPCONLY	NEW
Y02A40/168	CPCONLY	NEW
Y02A40/17	CPCONLY	NEW
Y02A40/18	CPCONLY	NEW
Y02A40/19	CPCONLY	NEW
Y02A40/20	CPCONLY	NEW
Y02A40/201	CPCONLY	NEW
Y02A40/202	CPCONLY	NEW

CPC	IPC	Action*
Y02A40/203	CPCONLY	NEW
Y02A40/204	CPCONLY	NEW
Y02A40/205	CPCONLY	NEW
Y02A40/206	CPCONLY	NEW
Y02A40/207	CPCONLY	NEW
Y02A40/208	CPCONLY	NEW
Y02A40/209	CPCONLY	NEW
Y02A40/21	CPCONLY	NEW
Y02A40/211	CPCONLY	NEW
Y02A40/212	CPCONLY	NEW
Y02A40/213	CPCONLY	NEW
Y02A40/214	CPCONLY	NEW
Y02A40/215	CPCONLY	NEW
Y02A40/216	CPCONLY	NEW
Y02A40/22	CPCONLY	NEW
Y02A40/221	CPCONLY	NEW
Y02A40/222	CPCONLY	NEW
Y02A40/223	CPCONLY	NEW
Y02A40/224	CPCONLY	NEW
Y02A40/225	CPCONLY	NEW
Y02A40/226	CPCONLY	NEW
Y02A40/227	CPCONLY	NEW
Y02A40/228	CPCONLY	NEW
Y02A40/229	CPCONLY	NEW
Y02A40/23	CPCONLY	NEW
Y02A40/231	CPCONLY	NEW
Y02A40/232	CPCONLY	NEW
Y02A40/233	CPCONLY	NEW
Y02A40/234	CPCONLY	NEW
Y02A40/235	CPCONLY	NEW
Y02A40/236	CPCONLY	NEW
Y02A40/237	CPCONLY	NEW
Y02A40/238	CPCONLY	NEW
Y02A40/239	CPCONLY	NEW
Y02A40/24	CPCONLY	NEW
Y02A40/241	CPCONLY	NEW
Y02A40/242	CPCONLY	NEW
Y02A40/243	CPCONLY	NEW
Y02A40/25	CPCONLY	NEW
Y02A40/252	CPCONLY	NEW
Y02A40/254	CPCONLY	NEW
Y02A40/256	CPCONLY	NEW
Y02A40/258	CPCONLY	NEW

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CPC	IPC	Action*
Y02A40/26	CPCONLY	NEW
Y02A40/262	CPCONLY	NEW
Y02A40/264	CPCONLY	NEW
Y02A40/266	CPCONLY	NEW
Y02A40/268	CPCONLY	NEW
Y02A40/27	CPCONLY	NEW
Y02A40/272	CPCONLY	NEW
Y02A40/274	CPCONLY	NEW
Y02A40/28	CPCONLY	NEW
Y02A40/282	CPCONLY	NEW
Y02A40/284	CPCONLY	NEW
Y02A40/286	CPCONLY	NEW
Y02A40/288	CPCONLY	NEW
Y02A40/29	CPCONLY	NEW
Y02A40/292	CPCONLY	NEW
Y02A40/294	CPCONLY	NEW
Y02A40/296	CPCONLY	NEW
Y02A40/298	CPCONLY	NEW
Y02A40/30	CPCONLY	NEW
Y02A40/302	CPCONLY	NEW
Y02A40/40	CPCONLY	NEW
Y02A40/50	CPCONLY	NEW
Y02A40/51	CPCONLY	NEW
Y02A40/52	CPCONLY	NEW
Y02A40/53	CPCONLY	NEW
Y02A40/55	CPCONLY	NEW
Y02A40/57	CPCONLY	NEW
Y02A40/58	CPCONLY	NEW
Y02A40/60	CPCONLY	NEW
Y02A40/70	CPCONLY	NEW
Y02A40/72	CPCONLY	NEW
Y02A40/73	CPCONLY	NEW
Y02A40/74	CPCONLY	NEW
Y02A40/75	CPCONLY	NEW
Y02A40/76	CPCONLY	NEW
Y02A40/78	CPCONLY	NEW
Y02A40/80	CPCONLY	NEW
Y02A40/81	CPCONLY	NEW
Y02A40/812	CPCONLY	NEW
Y02A40/814	CPCONLY	NEW
Y02A40/816	CPCONLY	NEW
Y02A40/818	CPCONLY	NEW
Y02A40/82	CPCONLY	NEW

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CPC	IPC	Action*
Y02A40/822	CPCONLY	NEW
Y02A40/824	CPCONLY	NEW
Y02A40/826	CPCONLY	NEW
Y02A40/828	CPCONLY	NEW
Y02A40/83	CPCONLY	NEW
Y02A40/832	CPCONLY	NEW
Y02A40/834	CPCONLY	NEW
Y02A40/836	CPCONLY	NEW
Y02A40/838	CPCONLY	NEW
Y02A40/84	CPCONLY	NEW
Y02A40/845	CPCONLY	NEW
Y02A40/86	CPCONLY	NEW
Y02A40/88	CPCONLY	NEW
Y02A40/90	CPCONLY	NEW
Y02A40/92	CPCONLY	NEW
Y02A40/922	CPCONLY	NEW
Y02A40/924	CPCONLY	NEW
Y02A40/926	CPCONLY	NEW
Y02A40/928	CPCONLY	NEW
Y02A40/94	CPCONLY	NEW
Y02A40/941	CPCONLY	NEW
Y02A40/942	CPCONLY	NEW
Y02A40/943	CPCONLY	NEW
Y02A40/944	CPCONLY	NEW
Y02A40/945	CPCONLY	NEW
Y02A40/946	CPCONLY	NEW
Y02A40/947	CPCONLY	NEW
Y02A40/948	CPCONLY	NEW
Y02A40/949	CPCONLY	NEW
Y02A40/95	CPCONLY	NEW
Y02A40/96	CPCONLY	NEW
Y02A40/961	CPCONLY	NEW
Y02A40/962	CPCONLY	NEW
Y02A40/963	CPCONLY	NEW
Y02A40/964	CPCONLY	NEW
Y02A40/965	CPCONLY	NEW
Y02A40/966	CPCONLY	NEW
Y02A40/967	CPCONLY	NEW
Y02A40/968	CPCONLY	NEW
Y02A50/00	CPCONLY	NEW
Y02A50/10	CPCONLY	NEW
Y02A50/12	CPCONLY	NEW
Y02A50/14	CPCONLY	NEW

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CPC	IPC	Action*
Y02A50/16	CPCONLY	NEW
Y02A50/20	CPCONLY	NEW
Y02A50/21	CPCONLY	NEW
Y02A50/22	CPCONLY	NEW
Y02A50/23	CPCONLY	NEW
Y02A50/232	CPCONLY	NEW
Y02A50/2322	CPCONLY	NEW
Y02A50/2324	CPCONLY	NEW
Y02A50/2325	CPCONLY	NEW
Y02A50/2326	CPCONLY	NEW
Y02A50/2327	CPCONLY	NEW
Y02A50/2328	CPCONLY	NEW
Y02A50/234	CPCONLY	NEW
Y02A50/2341	CPCONLY	NEW
Y02A50/2342	CPCONLY	NEW
Y02A50/2343	CPCONLY	NEW
Y02A50/2344	CPCONLY	NEW
Y02A50/2345	CPCONLY	NEW
Y02A50/2346	CPCONLY	NEW
Y02A50/2347	CPCONLY	NEW
Y02A50/2348	CPCONLY	NEW
Y02A50/2349	CPCONLY	NEW
Y02A50/235	CPCONLY	NEW
Y02A50/2351	CPCONLY	NEW
Y02A50/2352	CPCONLY	NEW
Y02A50/2353	CPCONLY	NEW
Y02A50/2354	CPCONLY	NEW
Y02A50/2355	CPCONLY	NEW
Y02A50/2356	CPCONLY	NEW
Y02A50/2357	CPCONLY	NEW
Y02A50/2358	CPCONLY	NEW
Y02A50/2359	CPCONLY	NEW
Y02A50/24	CPCONLY	NEW
Y02A50/241	CPCONLY	NEW
Y02A50/242	CPCONLY	NEW
Y02A50/243	CPCONLY	NEW
Y02A50/244	CPCONLY	NEW
Y02A50/245	CPCONLY	NEW
Y02A50/246	CPCONLY	NEW
Y02A50/247	CPCONLY	NEW
Y02A50/248	CPCONLY	NEW
Y02A50/249	CPCONLY	NEW
Y02A50/25	CPCONLY	NEW

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CPC	IPC	Action*
Y02A50/30	CPCONLY	NEW
Y02A50/31	CPCONLY	NEW
Y02A50/32	CPCONLY	NEW
Y02A50/321	CPCONLY	NEW
Y02A50/322	CPCONLY	NEW
Y02A50/323	CPCONLY	NEW
Y02A50/324	CPCONLY	NEW
Y02A50/325	CPCONLY	NEW
Y02A50/326	CPCONLY	NEW
Y02A50/327	CPCONLY	NEW
Y02A50/328	CPCONLY	NEW
Y02A50/329	CPCONLY	NEW
Y02A50/33	CPCONLY	NEW
Y02A50/331	CPCONLY	NEW
Y02A50/332	CPCONLY	NEW
Y02A50/333	CPCONLY	NEW
Y02A50/334	CPCONLY	NEW
Y02A50/335	CPCONLY	NEW
Y02A50/336	CPCONLY	NEW
Y02A50/337	CPCONLY	NEW
Y02A50/338	CPCONLY	NEW
Y02A50/339	CPCONLY	NEW
Y02A50/34	CPCONLY	NEW
Y02A50/341	CPCONLY	NEW
Y02A50/342	CPCONLY	NEW
Y02A50/343	CPCONLY	NEW
Y02A50/344	CPCONLY	NEW
Y02A50/345	CPCONLY	NEW
Y02A50/346	CPCONLY	NEW
Y02A50/347	CPCONLY	NEW
Y02A50/348	CPCONLY	NEW
Y02A50/349	CPCONLY	NEW
Y02A50/35	CPCONLY	NEW
Y02A50/351	CPCONLY	NEW
Y02A50/352	CPCONLY	NEW
Y02A50/353	CPCONLY	NEW
Y02A50/354	CPCONLY	NEW
Y02A50/356	CPCONLY	NEW
Y02A50/357	CPCONLY	NEW
Y02A50/358	CPCONLY	NEW
Y02A50/359	CPCONLY	NEW
Y02A50/36	CPCONLY	NEW
Y02A50/37	CPCONLY	NEW

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CPC	IPC	Action*
Y02A50/371	CPCONLY	NEW
Y02A50/372	CPCONLY	NEW
Y02A50/373	CPCONLY	NEW
Y02A50/374	CPCONLY	NEW
Y02A50/375	CPCONLY	NEW
Y02A50/38	CPCONLY	NEW
Y02A50/381	CPCONLY	NEW
Y02A50/382	CPCONLY	NEW
Y02A50/383	CPCONLY	NEW
Y02A50/384	CPCONLY	NEW
Y02A50/385	CPCONLY	NEW
Y02A50/386	CPCONLY	NEW
Y02A50/387	CPCONLY	NEW
Y02A50/388	CPCONLY	NEW
Y02A50/389	CPCONLY	NEW
Y02A50/39	CPCONLY	NEW
Y02A50/391	CPCONLY	NEW
Y02A50/392	CPCONLY	NEW
Y02A50/393	CPCONLY	NEW
Y02A50/394	CPCONLY	NEW
Y02A50/395	CPCONLY	NEW
Y02A50/396	CPCONLY	NEW
Y02A50/397	CPCONLY	NEW
Y02A50/398	CPCONLY	NEW
Y02A50/399	CPCONLY	NEW
Y02A50/40	CPCONLY	NEW
Y02A50/401	CPCONLY	NEW
Y02A50/402	CPCONLY	NEW
Y02A50/403	CPCONLY	NEW
Y02A50/404	CPCONLY	NEW
Y02A50/405	CPCONLY	NEW
Y02A50/406	CPCONLY	NEW
Y02A50/407	CPCONLY	NEW
Y02A50/408	CPCONLY	NEW
Y02A50/409	CPCONLY	NEW
Y02A50/41	CPCONLY	NEW
Y02A50/411	CPCONLY	NEW
Y02A50/412	CPCONLY	NEW
Y02A50/413	CPCONLY	NEW
Y02A50/414	CPCONLY	NEW
Y02A50/415	CPCONLY	NEW
Y02A50/416	CPCONLY	NEW
Y02A50/417	CPCONLY	NEW

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CPC	IPC	Action*
Y02A50/418	CPCONLY	NEW
Y02A50/419	CPCONLY	NEW
Y02A50/42	CPCONLY	NEW
Y02A50/421	CPCONLY	NEW
Y02A50/422	CPCONLY	NEW
Y02A50/423	CPCONLY	NEW
Y02A50/45	CPCONLY	NEW
Y02A50/451	CPCONLY	NEW
Y02A50/452	CPCONLY	NEW
Y02A50/453	CPCONLY	NEW
Y02A50/454	CPCONLY	NEW
Y02A50/455	CPCONLY	NEW
Y02A50/456	CPCONLY	NEW
Y02A50/46	CPCONLY	NEW
Y02A50/462	CPCONLY	NEW
Y02A50/463	CPCONLY	NEW
Y02A50/464	CPCONLY	NEW
Y02A50/465	CPCONLY	NEW
Y02A50/466	CPCONLY	NEW
Y02A50/467	CPCONLY	NEW
Y02A50/468	CPCONLY	NEW
Y02A50/469	CPCONLY	NEW
Y02A50/47	CPCONLY	NEW
Y02A50/471	CPCONLY	NEW
Y02A50/472	CPCONLY	NEW
Y02A50/473	CPCONLY	NEW
Y02A50/474	CPCONLY	NEW
Y02A50/475	CPCONLY	NEW
Y02A50/476	CPCONLY	NEW
Y02A50/478	CPCONLY	NEW
Y02A50/479	CPCONLY	NEW
Y02A50/48	CPCONLY	NEW
Y02A50/481	CPCONLY	NEW
Y02A50/482	CPCONLY	NEW
Y02A50/483	CPCONLY	NEW
Y02A50/484	CPCONLY	NEW
Y02A50/485	CPCONLY	NEW
Y02A50/486	CPCONLY	NEW
Y02A50/487	CPCONLY	NEW
Y02A50/488	CPCONLY	NEW
Y02A50/489	CPCONLY	NEW
Y02A50/49	CPCONLY	NEW
Y02A50/491	CPCONLY	NEW

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CPC	IPC	Action*
Y02A50/492	CPCONLY	NEW
Y02A50/50	CPCONLY	NEW
Y02A50/51	CPCONLY	NEW
Y02A50/52	CPCONLY	NEW
Y02A50/53	CPCONLY	NEW
Y02A50/54	CPCONLY	NEW
Y02A50/55	CPCONLY	NEW
Y02A50/56	CPCONLY	NEW
Y02A50/57	CPCONLY	NEW
Y02A50/58	CPCONLY	NEW
Y02A50/59	CPCONLY	NEW
Y02A50/60	CPCONLY	NEW
Y02A90/00	CPCONLY	NEW
Y02A90/10	CPCONLY	NEW
Y02A90/12	CPCONLY	NEW
Y02A90/13	CPCONLY	NEW
Y02A90/14	CPCONLY	NEW
Y02A90/15	CPCONLY	NEW
Y02A90/16	CPCONLY	NEW
Y02A90/17	CPCONLY	NEW
Y02A90/18	CPCONLY	NEW
Y02A90/19	CPCONLY	NEW
Y02A90/20	CPCONLY	NEW
Y02A90/22	CPCONLY	NEW
Y02A90/24	CPCONLY	NEW
Y02A90/26	CPCONLY	NEW
Y02A90/30	CPCONLY	NEW
Y02A90/32	CPCONLY	NEW
Y02A90/34	CPCONLY	NEW
Y02A90/342	CPCONLY	NEW
Y02A90/344	CPCONLY	NEW
Y02A90/36	CPCONLY	NEW
Y02A90/40	CPCONLY	NEW

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

NOTES:
- F symbols are <u>not</u> included in the CICL table above.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.