SECTION H — ELECTRICITY

H05 ELECTRIC TECHNIQUES NOT OTHERWISE PROVIDED FOR

H05B ELECTRIC HEATING; ELECTRIC LIGHTING NOT OTHERWISE PROVIDED FOR

Note(s) [3]

Attention is drawn to Note III following the Contents of Section of section H.

Subclass index

HEATING Produced by: resistance; electric, magnetic, or electromagnetic fields; discharge	
Combined types Details	1/00
LIGHTING	
Light sources: arc; electro- luminescent	31/00, 33/00
Combined types	35/00
Circuit arrangements:	
general	37/00
for incandescent lamps	39/00
for discharge lamps	41/00
other	43/00

<u>Heating</u>		3/24 • • • heating conductor being self-supporting [1, 2006.01]
1/00	Details of electric heating devices [1, 2006.01]	3/26 • • heating conductor mounted on insulating
1/02	 Automatic switching arrangements specially adapted 	base [1, 2006.01]
	to heating apparatus (thermally-actuated switches H01H 37/00) [1, 2006.01]	3/28 • • • heating conductor embedded in insulating material [1, 2006.01]
3/00	Ohmic-resistance heating [1, 2006.01]	3/30 • • • on or between metallic plates [1, 2006.01]
3/02	• Details [1, 2006.01]	3/32 • • heating conductor mounted on insulators on a
3/03	• Electrodes [2, 2006.01]	metallic frame [1, 2006.01]
3/04	Waterproof or air-tight seals for	3/34 • • flexible, e.g. heating nets or webs [1, 2006.01]
	heaters [1, 2006.01]	3/36 • • • heating conductor embedded in insulating material [1, 2006.01]
3/06	 Heater elements structurally combined with 	3/38 • • • • Powder conductors [1, 2006.01]
	coupling elements or with holders [1, 2006.01]	3/40 • Heating elements having the shape of rods or tubes
3/08	having electric connections specially adapted	(H05B 3/62, H05B 3/68, H05B 3/78 take
D /40	for high temperatures [1, 2006.01]	precedence) [1, 2006.01]
3/10	 Heating elements characterised by the composition or nature of the materials or by the arrangement of the 	3/42 • • non-flexible [1, 2006.01]
	conductor (compositions <u>per se</u> , <u>see</u> the relevant	3/44 • • heating conductor arranged within rods or tubes
	subclasses) [1, 2006.01]	of insulating material [1, 2006.01]
3/12	 characterised by the composition or nature of the 	3/46 • • heating conductor mounted on insulating
	conductive material [1, 2006.01]	base [1, 2006.01]
3/14	• • the material being non-metallic [1, 2006.01]	3/48 • • • heating conductor embedded in insulating material [1, 2006.01]
3/16	the conductor being mounted on an insulating	3/50 • • • heating conductor arranged in metal tubes,
0.440	base [1, 2006.01]	the radiating surface having heat-conducting
3/18	 the conductor being embedded in an insulating material [1, 2006.01] 	fins [1, 2006.01]
3/20	Heating elements having extended surface area	3/52 • • • Apparatus or processes for filling or
3/20	substantially in a two-dimensional plane, e.g. plate-	compressing insulating material in
	heater (H05B 3/62, H05B 3/68, H05B 3/78,	tubes [1, 2006.01]
	H05B 3/84 take precedence) [1, 5, 2006.01]	3/54 • • flexible [1, 2006.01]
3/22	• • non-flexible [1, 2006.01]	3/56 • • • Heating cables [1, 2006.01]

2

3/58 3/60	 • Heating hoses; Heating collars [1, 2006.01] • Heating arrangements wherein the heating current flows through granular, powdered or fluid material, 	6/40 6/42	 • Establishing desired heat distribution, e.g. to heat particular parts of workpieces [3, 2006.01] • Cooling of coils [3, 2006.01]
	e.g. for salt-bath furnace, electrolytic heating (H05B 3/38 takes precedence) [1, 2006.01]	6/44	 having more than one coil or coil segment [3, 2006.01]
3/62	 Heating elements specially adapted for furnaces (H05B 3/60 takes precedence; arrangements of 	6/46	• Dielectric heating (H05B 6/64 take precedence) [3, 2006.01]
	elements for electric heating in or on furnaces using	6/48	• • Circuits [3, 2006.01]
	ohmic resistance heating F27D 11/02) [1, 2006.01]	6/50	• • • for monitoring or control [3, 2006.01]
3/64	• • using ribbon, rod, or wire heater [1, 2006.01]	6/52	• • Feed lines [3, 2006.01]
3/66	Supports or mountings for heaters on or in the wall	6/54	• • Electrodes [3, 2006.01]
2/60	or roof [1, 2006.01]	6/56	• • • Rolling electrodes [3, 2006.01]
3/68	 Heating arrangements specially adapted for cooking plates or analogous hot-plates [1, 2006.01] 	6/58	• • • "sewing machine" type [3, 2006.01]
	Note(s) [2]	6/60	 Arrangements for continuous movement of material [3, 2006.01]
	Group H05B 3/76 takes precedence over groups	6/62	• • Apparatus for specific applications [3, 2006.01]
	H05B 3/70-H05B 3/74.	6/64	 Heating using microwaves [3, 2006.01]
3/70	• • Plates of cast metal [1, 2006.01]	6/66	• • Circuits [3, 2006.01]
3/72	• • Plates of sheet metal [1, 2006.01]	6/68	• • • for monitoring or control [3, 2006.01]
3/74	• • Non-metallic plates [1, 2006.01]	6/70	• • Feed lines [3, 2006.01]
3/76	Plates with spirally-wound heating	6/72	 Radiators or aerials [3, 2006.01]
	tubes [1, 2006.01]	6/74	• • Mode transformers or mode stirrers [3, 2006.01]
3/78	 Heating arrangements specially adapted for immersion heating [1, 2006.01] 	6/76	 Prevention of microwave leakage, e.g. door sealings [3, 2006.01]
3/80	• • Portable immersion heaters [1, 2006.01]	6/78	 Arrangements for continuous movement of
3/82	• • Fixedly-mounted immersion heaters [1, 2006.01]		material [3, 2006.01]
3/84	 Heating arrangements specially adapted for 	6/80	 Apparatus for specific applications (stoves or
	transparent or reflecting areas, e.g. for demisting or		ranges heated using microwaves
	de-icing windows, mirrors or vehicle		F24C 7/02) [3, 2006.01]
2/06	windshields [5, 2006.01]	7/00	Heating by electric discharge (plasma torches
3/86	 the heating conductors being embedded in the transparent or reflecting material [5, 2006.01] 		H05H 1/26) [1, 2006.01]
	dunsparent of feffecting material [5, 2000.01]	7/00	D . II F4 D000 041
		7/02	 Details [1, 2006.01]
6/00	Heating by electric, magnetic, or electromagnetic	7/02 7/06	Details [1, 2006.01]Electrodes [1, 2006.01]
6/00	fields (radiation therapy using microwaves		
	fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01]	7/06	• • Electrodes [1, 2006.01]
6/02	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] 	7/06 7/07 7/08 7/085	• Electrodes [1, 2006.01]• designed to melt in use [2, 2006.01]
6/02 6/04	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01]
6/02 6/04 6/06	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] 	7/06 7/07 7/08 7/085	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements
6/02 6/04	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing 	7/06 7/07 7/08 7/085 7/09 7/10	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01]
6/02 6/04 6/06 6/08	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of
6/02 6/04 6/06	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, 	7/06 7/07 7/08 7/085 7/09 7/10	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the
6/02 6/04 6/06 6/08	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01]
6/02 6/04 6/06 6/08	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01]
6/02 6/04 6/06 6/08 6/10	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws
6/02 6/04 6/06 6/08 6/10	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes) 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01]
6/02 6/04 6/06 6/08 6/10 6/12 6/14	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] comprisings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01]
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20 6/22	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 takes precedence) [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01]
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 takes precedence) [3, 2006.01] Crucible furnaces (H05B 6/30 takes 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01] Feeding arrangements (H05B 7/107 takes
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20 6/22	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 takes precedence) [3, 2006.01] Crucible furnaces (H05B 6/30 takes precedence) [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01]
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20 6/22	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 takes precedence) [3, 2006.01] Crucible furnaces (H05B 6/30 takes precedence) [3, 2006.01] using vacuum or particular gas 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01] Feeding arrangements (H05B 7/107 takes precedence; where the electrode movement is a part of a closed loop for automatic control of power H05B 7/148) [2, 2006.01]
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20 6/22	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 takes precedence) [3, 2006.01] Crucible furnaces (H05B 6/30 takes precedence) [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01] Feeding arrangements (H05B 7/107 takes precedence; where the electrode movement is a part of a closed loop for automatic control of power H05B 7/148) [2, 2006.01] Arrangements for conducting current to the
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/20 6/22 6/24	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 takes precedence) [3, 2006.01] Crucible furnaces (H05B 6/30 takes precedence) [3, 2006.01] using vacuum or particular gas atmosphere [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105 7/107 7/109	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01] Feeding arrangements (H05B 7/107 takes precedence; where the electrode movement is a part of a closed loop for automatic control of power H05B 7/148) [2, 2006.01] Arrangements for conducting current to the electrode terminals [2, 2006.01]
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20 6/22 6/24 6/26	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 takes precedence) [3, 2006.01] Crucible furnaces (H05B 6/30 takes precedence) [3, 2006.01] using vacuum or particular gas atmosphere [3, 2006.01] Protective systems [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105 7/107 7/109	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01] Feeding arrangements (H05B 7/107 takes precedence; where the electrode movement is a part of a closed loop for automatic control of power H05B 7/148) [2, 2006.01] Arrangements for conducting current to the electrode terminals [2, 2006.01] Arrangements for cooling, sealing, or protecting
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20 6/22 6/24 6/26	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] having melting channel only [3, 2006.01] Crucible furnaces (H05B 6/30 takes precedence) [3, 2006.01] Using vacuum or particular gas atmosphere [3, 2006.01] Protective systems [3, 2006.01] Arrangements for remelting or zone melting [3, 2006.01] Arrangements for simultaneous levitation and 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105 7/107 7/109	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01] Feeding arrangements (H05B 7/107 takes precedence; where the electrode movement is a part of a closed loop for automatic control of power H05B 7/148) [2, 2006.01] Arrangements for conducting current to the electrode terminals [2, 2006.01] Arrangements for cooling, sealing, or protecting electrodes [1, 2, 2006.01]
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20 6/22 6/24 6/26 6/28 6/30	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] having melting channel only [3, 2006.01] Crucible furnaces (H05B 6/30 takes precedence) [3, 2006.01] using vacuum or particular gas atmosphere [3, 2006.01] Protective systems [3, 2006.01] Protective systems [3, 2006.01] Arrangements for remelting or zone melting [3, 2006.01] Arrangements for simultaneous levitation and heating [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105 7/107 7/109	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01] Feeding arrangements (H05B 7/107 takes precedence; where the electrode movement is a part of a closed loop for automatic control of power H05B 7/148) [2, 2006.01] Arrangements for conducting current to the electrode terminals [2, 2006.01] Arrangements for cooling, sealing, or protecting electrodes [1, 2, 2006.01] Arrangements or methods for connecting
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20 6/22 6/24 6/26 6/28 6/30 6/32 6/34	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 takes precedence) [3, 2006.01] Crucible furnaces (H05B 6/30 takes precedence) [3, 2006.01] Protective systems [3, 2006.01] Protective systems [3, 2006.01] Arrangements for remelting or zone melting [3, 2006.01] Arrangements for simultaneous levitation and heating [3, 2006.01] Arrangements for circulation of melts [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105 7/107 7/109 7/11 7/12 7/14	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01] Feeding arrangements (H05B 7/107 takes precedence; where the electrode movement is a part of a closed loop for automatic control of power H05B 7/148) [2, 2006.01] Arrangements for conducting current to the electrode terminals [2, 2006.01] Arrangements for cooling, sealing, or protecting electrodes [1, 2, 2006.01] Arrangements or methods for connecting successive electrode sections [1, 2, 2006.01]
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20 6/22 6/24 6/26 6/28 6/30 6/32 6/34 6/36	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 takes precedence) [3, 2006.01] Crucible furnaces (H05B 6/30 takes precedence) [3, 2006.01] Protective systems [3, 2006.01] Arrangements for remelting or zone melting [3, 2006.01] Arrangements for simultaneous levitation and heating [3, 2006.01] Arrangements for circulation of melts [3, 2006.01] Arrangements for circulation of melts [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105 7/107 7/109	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01] Feeding arrangements (H05B 7/107 takes precedence; where the electrode movement is a part of a closed loop for automatic control of power H05B 7/148) [2, 2006.01] Arrangements for conducting current to the electrode terminals [2, 2006.01] Arrangements for cooling, sealing, or protecting electrodes [1, 2, 2006.01] Arrangements or methods for connecting successive electrode sections [1, 2, 2006.01] Power supplies specially adapted for heating by
6/02 6/04 6/06 6/08 6/10 6/12 6/14 6/16 6/18 6/20 6/22 6/24 6/26 6/28 6/30 6/32 6/34	 fields (radiation therapy using microwaves A61N 5/02) [3, 2006.01] Induction heating [3, 2006.01] Sources of current [3, 2006.01] Control, e.g. of temperature, of power [3, 2006.01] using compensating or balancing arrangements [3, 2006.01] Induction heating apparatus, other than furnaces, for specific applications [3, 2006.01] Cooking devices [3, 2006.01] Tools, e.g. nozzles, rollers, calenders [3, 2006.01] Furnaces having endless cores (H05B 6/34 takes precedence) [3, 2006.01] having melting basin [3, 2006.01] having melting channel only [3, 2006.01] Furnaces without an endless core (H05B 6/34 takes precedence) [3, 2006.01] Crucible furnaces (H05B 6/30 takes precedence) [3, 2006.01] Protective systems [3, 2006.01] Protective systems [3, 2006.01] Arrangements for remelting or zone melting [3, 2006.01] Arrangements for simultaneous levitation and heating [3, 2006.01] Arrangements for circulation of melts [3, 2006.01] 	7/06 7/07 7/08 7/085 7/09 7/10 7/101 7/102 7/103 7/105 7/107 7/109 7/11 7/12 7/14	 Electrodes [1, 2006.01] designed to melt in use [2, 2006.01] non-consumable [1, 2, 2006.01] mainly consisting of carbon [2, 2006.01] Self-baking electrodes [2, 2006.01] Mountings, supports, terminals, or arrangements for feeding or guiding electrodes [1, 2, 2006.01] Mountings, supports, or terminals at head of electrode, i.e. at the end remote from the arc [2, 2006.01] specially adapted for consumable electrodes [2, 2006.01] Mountings, supports, or terminals with jaws (H05B 7/101 takes precedence) [2, 2006.01] comprising more than two jaws equally spaced along circumference, e.g. ring holders [2, 2006.01] specially adapted for self-baking electrodes [2, 2006.01] Feeding arrangements (H05B 7/107 takes precedence; where the electrode movement is a part of a closed loop for automatic control of power H05B 7/148) [2, 2006.01] Arrangements for conducting current to the electrode terminals [2, 2006.01] Arrangements for cooling, sealing, or protecting electrodes [1, 2, 2006.01] Arrangements or methods for connecting successive electrode sections [1, 2, 2006.01]

7/148	• • • Automatic control of power (electrode feeding arrangements H05B 7/109; automatic feeding	33/08	 Circuit arrangements not adapted to a particular application [1, 2006.01]
	or moving of electrodes for spot or seam welding or cutting B23K 9/12; disposition of electrodes in or on furnaces F27D 11/10;	33/10	 Apparatus or processes specially adapted to the manufacture of electroluminescent light sources [1, 2006.01]
	regulating electric characteristics of arcs G05F 1/02) [2, 2006.01]	33/12	 Light sources with substantially two-dimensional radiating surfaces [1, 2006.01]
7/152	• • • by electromechanical means for positioning of electrodes [2, 2006.01]	33/14	characterised by the chemical or physical composition or the arrangement of the
7/156	• • • by hydraulic or pneumatic means for positioning of electrodes [2, 2006.01]	33/18	electroluminescent material [1, 2006.01]characterised by the nature or concentration of the
7/16	• Heating by glow discharge [1, 2006.01]		activator [1, 2006.01]
7/18 7/20	 Heating by arc discharge [1, 2006.01] Direct heating by arc discharge, i.e. where at least one end of the arc directly acts on the material to be heated, including additional resistance heating 	33/20	 characterised by the chemical or physical composition or the arrangement of the material in which the electroluminescent material is embedded [1, 2006.01]
7/22	 by arc current flowing through the material to be heated [2, 2006.01] Indirect heating by arc discharge [2, 2006.01] 	33/22	 characterised by the chemical or physical composition or the arrangement of auxiliary dielectric or reflective layers [1, 2006.01]
1122	indirect neating by arc discharge [2, 2000.01]	33/24	• • of metallic reflective layers (H05B 33/26 takes)
11/00	Heating by combined application of processes		precedence) [1, 2006.01]
	covered by two or more of groups H05B 3/00- H05B 7/00 (H05B 7/20 takes precedence) [1, 2006.01]	33/26	 characterised by the composition or arrangement of the conductive material used as an electrode [1, 2006.01]
Lighting		33/28	• • • of translucent electrodes [1, 2006.01]
0 0		35/00	Electric light sources using a combination of
31/00	Electric arc lamps (regulating electric characteristics of arcs G05F 1/02) [1, 2006.01]	33, 00	different types of light generation [1, 2006.01]
31/02 31/04	• Details [1, 2006.01]	37/00	Circuit arrangements for electric light sources in
31/04	 Housings [1, 2006.01] Electrodes [1, 2006.01]	27/02	general [1, 2006.01]
31/08	• • Carbon electrodes [1, 2006.01]	37/02 37/03	Controlling [1, 2006.01]Detecting lamp failure [1, 2006.01]
31/10	• • • Cored carbon electrodes [1, 2006.01]	37/03 37/04	Circuits providing for substitution of the light
31/12	• • • • Beck-effect electrodes [1, 2006.01]	37704	source in case of its failure [1, 2006.01]
31/14	• • • Metal electrodes [1, 2006.01]		
31/16	 • Apparatus or processes specially adapted for manufacturing electrodes [1, 2006.01] 	39/00	Circuit arrangements or apparatus for operating incandescent light sources and not adapted to a particular application [1, 2006.01]
31/18	 Mountings for electrodes; Electrode feeding devices [1, 2006.01] 	39/02	 Switching-on, e.g. with predetermined rate of increase of lighting current [1, 2006.01]
31/20	 • Mechanical arrangements for feeding electrodes [1, 2006.01] 	39/04	• Controlling [1, 2006.01]
31/22	• • • Electrodes [1, 2006.01] • • • Electromagnetic arrangements for feeding electrodes [1, 2006.01]	39/06	• • Switching arrangements, e.g. from series operation to parallel operation [1, 2006.01]
31/24	• • Cooling arrangements [1, 2006.01]	39/08	by shifting phase of trigger voltage applied to gas-
31/26	 Influencing the shape of arc discharge by gas 	39/09	filled controlling tubes [1, 2006.01] • in which the lamp is fed by pulses [1, 2006.01]
	blowing devices [1, 2006.01]	39/09	Circuits providing for substitution of the light source
31/28	Influencing the shape of arc discharge by magnetic means [1, 2006.01] Control of the contr	33/10	in case of its failure [1, 2006.01]
31/30	• Starting; Igniting [1, 2006.01]	41/00	Circuit arrangements or apparatus for igniting or
31/32 31/34	• Switching-off [1, 2006.01]• Indicating consumption of electrodes [1, 2006.01]	==	operating discharge lamps [1, 2006.01]
31/34	 having two electrodes in line [1, 2006.01] 	41/02	• Details [1, 2006.01]
31/38		41/04	 Starting switches [1, 2006.01]
			_
	• • specially adapted for ac [1, 2006.01]	41/06	• • • thermal only [1, 2006.01]
31/40	 specially adapted for ac [1, 2006.01] having two electrodes at an angle [1, 2006.01]	41/06 41/08	thermal only [1, 2006.01]heated by glow discharge [1, 2006.01]
31/40 31/42	 specially adapted for ac [1, 2006.01] having two electrodes at an angle [1, 2006.01] specially adapted for ac [1, 2006.01] 	41/06 41/08 41/10	 thermal only [1, 2006.01] heated by glow discharge [1, 2006.01] magnetic only [1, 2006.01]
31/40	 specially adapted for ac [1, 2006.01] having two electrodes at an angle [1, 2006.01]	41/06 41/08 41/10 41/12	 thermal only [1, 2006.01] heated by glow discharge [1, 2006.01] magnetic only [1, 2006.01] combined thermal and magnetic [1, 2006.01]
31/40 31/42 31/44	 • specially adapted for ac [1, 2006.01] • having two electrodes at an angle [1, 2006.01] • specially adapted for ac [1, 2006.01] • having two parallel electrodes [1, 2006.01] 	41/06 41/08 41/10 41/12 41/14	 thermal only [1, 2006.01] heated by glow discharge [1, 2006.01] magnetic only [1, 2006.01] combined thermal and magnetic [1, 2006.01] Circuit arrangements [1, 2006.01]
31/40 31/42 31/44 31/46	 • specially adapted for ac [1, 2006.01] • having two electrodes at an angle [1, 2006.01] • specially adapted for ac [1, 2006.01] • having two parallel electrodes [1, 2006.01] • specially adapted for ac [1, 2006.01] 	41/06 41/08 41/10 41/12	 thermal only [1, 2006.01] heated by glow discharge [1, 2006.01] magnetic only [1, 2006.01] combined thermal and magnetic [1, 2006.01]
31/40 31/42 31/44 31/46 31/48	 • specially adapted for ac [1, 2006.01] • having two electrodes at an angle [1, 2006.01] • specially adapted for ac [1, 2006.01] • having two parallel electrodes [1, 2006.01] • specially adapted for ac [1, 2006.01] • having more than two electrodes [1, 2006.01] • specially adapted for ac [1, 2006.01] • electrodes energised from different phases of 	41/06 41/08 41/10 41/12 41/14	 thermal only [1, 2006.01] heated by glow discharge [1, 2006.01] magnetic only [1, 2006.01] combined thermal and magnetic [1, 2006.01] Circuit arrangements [1, 2006.01] in which the lamp is fed by dc or by low-
31/40 31/42 31/44 31/46 31/48 31/50	 specially adapted for ac [1, 2006.01] having two electrodes at an angle [1, 2006.01] specially adapted for ac [1, 2006.01] having two parallel electrodes [1, 2006.01] specially adapted for ac [1, 2006.01] having more than two electrodes [1, 2006.01] specially adapted for ac [1, 2006.01] 	41/06 41/08 41/10 41/12 41/14 41/16	 thermal only [1, 2006.01] heated by glow discharge [1, 2006.01] magnetic only [1, 2006.01] combined thermal and magnetic [1, 2006.01] Circuit arrangements [1, 2006.01] in which the lamp is fed by dc or by low-frequency ac, e.g. by 50 cycles/sec ac (H05B 41/26 takes precedence) [1, 2006.01] having a starting switch [1, 2006.01]
31/40 31/42 31/44 31/46 31/48 31/50 31/52	 • specially adapted for ac [1, 2006.01] • having two electrodes at an angle [1, 2006.01] • specially adapted for ac [1, 2006.01] • having two parallel electrodes [1, 2006.01] • specially adapted for ac [1, 2006.01] • having more than two electrodes [1, 2006.01] • specially adapted for ac [1, 2006.01] • electrodes energised from different phases of the supply [1, 2006.01] 	41/06 41/08 41/10 41/12 41/14 41/16	 thermal only [1, 2006.01] heated by glow discharge [1, 2006.01] magnetic only [1, 2006.01] combined thermal and magnetic [1, 2006.01] Circuit arrangements [1, 2006.01] in which the lamp is fed by dc or by low-frequency ac, e.g. by 50 cycles/sec ac (H05B 41/26 takes precedence) [1, 2006.01] having a starting switch [1, 2006.01] for lamps having an auxiliary starting
31/40 31/42 31/44 31/46 31/48 31/50 31/52	 • specially adapted for ac [1, 2006.01] • having two electrodes at an angle [1, 2006.01] • specially adapted for ac [1, 2006.01] • having two parallel electrodes [1, 2006.01] • specially adapted for ac [1, 2006.01] • having more than two electrodes [1, 2006.01] • specially adapted for ac [1, 2006.01] • electrodes energised from different phases of the supply [1, 2006.01] Electroluminescent light sources [1, 2006.01] 	41/06 41/08 41/10 41/12 41/14 41/16 41/18 41/19	 thermal only [1, 2006.01] heated by glow discharge [1, 2006.01] magnetic only [1, 2006.01] combined thermal and magnetic [1, 2006.01] Circuit arrangements [1, 2006.01] in which the lamp is fed by dc or by low-frequency ac, e.g. by 50 cycles/sec ac (H05B 41/26 takes precedence) [1, 2006.01] having a starting switch [1, 2006.01] for lamps having an auxiliary starting electrode [1, 2006.01]
31/40 31/42 31/44 31/46 31/48 31/50 31/52	 • specially adapted for ac [1, 2006.01] • having two electrodes at an angle [1, 2006.01] • specially adapted for ac [1, 2006.01] • having two parallel electrodes [1, 2006.01] • specially adapted for ac [1, 2006.01] • having more than two electrodes [1, 2006.01] • specially adapted for ac [1, 2006.01] • electrodes energised from different phases of the supply [1, 2006.01] 	41/06 41/08 41/10 41/12 41/14 41/16	 thermal only [1, 2006.01] heated by glow discharge [1, 2006.01] magnetic only [1, 2006.01] combined thermal and magnetic [1, 2006.01] Circuit arrangements [1, 2006.01] in which the lamp is fed by dc or by low-frequency ac, e.g. by 50 cycles/sec ac (H05B 41/26 takes precedence) [1, 2006.01] having a starting switch [1, 2006.01] for lamps having an auxiliary starting

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33/06 • • Electrode terminals **[1, 2006.01]**

41/22 • • • for lamps having an auxiliary starting electrode [1, 2006.01] 41/23 • • • for lamps not having an auxiliary starting	41/295 • • • • with semiconductor devices and specially adapted for lamps with preheating electrodes, e.g. for fluorescent lamps [7, 2006.01]
electrode [1, 2006.01] 41/231 • • • • for high-pressure lamps [1, 2006.01] 41/232 • • • • for low-pressure lamps [1, 2006.01] 41/233 • • • • using resonance circuitry [1, 2006.01]	41/298 • • • • • Arrangements for protecting lamps or circuits against abnormal operating conditions [7, 2006.01]
41/234 • • • • • to eliminate stroboscopic effects, e.g. feeding two lamps with different phases [1, 2006.01]	 41/30 • in which the lamp is fed by pulses, e.g. flash lamp [1, 2006.01] 41/32 • for single flash operation [1, 2006.01]
• • in which the lamp is fed by high-frequency ac (H05B 41/26 takes precedence) [1, 2006.01]	41/34 • • • to provide a sequence of flashes [1, 2006.01] 41/36 • Controlling [1, 2006.01]
41/26 • in which the lamp is fed by power derived from dc by means of a converter, e.g. by high-voltage dc [1, 2006.01]	41/38 • • • Controlling the intensity of light [1, 2006.01] 41/39 • • • continuously [1, 2006.01] 41/391 • • • • using saturable magnetic
41/28 • • • using static converters [1, 2006.01]	devices [1, 2006.01]
41/282 • • • • with semiconductor devices (H05B 41/288, H05B 41/295 take precedence) [7, 2006.01]	41/392 • • • • using semiconductor devices, e.g. thyristor [1, 2006.01]
41/285 • • • • • Arrangements for protecting lamps or circuits against abnormal operating conditions [7, 2006.01]	41/40 • • • • discontinuously [1, 2006.01] 41/42 • • • • in two steps only [1, 2006.01] 41/44 • • • for providing special optical effects, e.g.
41/288 • • • • with semiconductor devices and specially adapted for lamps without preheating electrodes, e.g. for high-intensity discharge lamps, high-pressure mercury or sodium	progressive motion of light [1, 2006.01] 41/46 • Circuits providing for substitution in case of failure of the lamp [1, 2006.01]
lamps or low-pressure sodium lamps [7, 2006.01] 41/292 • • • • • Arrangements for protecting lamps or circuits against abnormal operating conditions [7, 2006.01]	 43/00 Circuit arrangements for light sources, not otherwise provided for (H05B 37/00 takes precedence) [1, 2006.01] 43/02 • for light sources using a charge of combustible material [1, 2006.01]

ELECTRIC CIRCUITS OR APPARATUS SPECIALLY DESIGNED FOR USE IN EQUIPMENT FOR KILLING, STUNNING, ENCLOSING OR GUIDING LIVING BEINGS (stationary means for catching or killing insects by electric means A01M 1/22; apparatus for the destruction of noxious animals, other than insects, by electricity A01M 19/00; electric traps for animals A01M 23/38; slaughtering or stunning by electric current A22B 3/06)

1/00	Circuits or apparatus for generating electric shock	1/04	 providing pulse voltages [1, 2006.01]
	effects [1, 2006.01]	1/06	• • operating only when touched [1, 2006.01]
1/02	 providing continuous feeding of dc or ac 		
	voltage [1, 2006.01]	3/00	Other circuits or apparatus [1, 2006.01]

H05F STATIC ELECTRICITY; NATURALLY-OCCURRING ELECTRICITY

Note(s)

- 1. This subclass <u>covers</u> methods or arrangements for preventing the formation of electrostatic charges on bodies or for carrying-off these charges after their formation.
- 2. This subclass <u>does not cover</u> specific applications of the above-mentioned methods or arrangements. Such arrangements are covered by the relevant subclasses, e.g. arrangements in large containers B65D 90/46.

1/00	Preventing the formation of electrostatic	3/04	 by means of spark gaps or other discharge devices
	charges [1, 2006.01]		(devices providing for corona discharge
1/02	 by surface treatment [1, 2006.01] 		H01T 19/00) [1, 2, 2006.01]
		3/06	 by means of ionising radiation [1, 2006.01]
3/00	Carrying-off electrostatic charges (from living beings		•
	A61N 1/14) [1, 2006.01]	7/00	Use of naturally-occurring electricity [1, 2006.01]
3/02	• by means of earthing connections [1, 2006.01]		

H05G X-RAY TECHNIQUE (apparatus for radiation diagnosis A61B 6/00; X-ray therapy A61N; testing by X-rays G01N; apparatus for X-ray photography G03B; filters, conversion screens, microscopes G21K; X-ray tubes H01J 35/00; TV systems having X-ray input H04N 5/321)

1/00	X-ray apparatus involving X-ray tubes; Circuits therefor [1, 2006.01]	1/44	• • • • • in which the switching instant is determined by measuring the amount
1/02	• Constructional details [1, 2006.01]		of radiation directly [1, 2006.01]
1/04	Mounting the X-ray tube within a closed housing [1, 2006.01] Yes	1/46	• • • Combined control of different quantities, e.g. exposure time as well as voltage or current [1, 2006.01]
1/06	• • X-ray tube and at least part of the power supply apparatus being mounted within the same housing [1, 2006.01]	1/48	• • • Compensating the voltage drop occurring at the instant of switching-on of the apparatus
1/08	• Electrical details [1, 2006.01]		(regulating supply without reference to operating characteristics of the apparatus
1/10	 Power supply arrangements for feeding the X-ray tube [1, 2006.01] 	1/50	G05F) [1 , 2006.01]
1/12	• • with dc or rectified single-phase ac [1, 2006.01]	1/50	 Passing the tube current only during a restricted portion of the voltage
1/14	• • with single-phase low-frequency ac [1, 2006.01]	1/50	waveform [1, 2006.01]
1/16	• • • Reducing the peak-inverse voltage [1, 2006.01]	1/52	• • • Target size or shape; Direction of electron beam, e.g. in tubes with one anode and more than one cathode [1, 2006.01]
1/18	• • • with polyphase ac of low frequency [1, 2006.01]	1/54	 Protecting (overload protection combined with control H05G 1/46) [1, 2006.01]
1/20	• • • with high-frequency ac; with pulse	1/56	• • Switching-on; Switching-off [1, 2006.01]
1 /22	trains [1, 2006.01]	1/58	 Switching arrangements for changing-over from
1/22 1/24	with single pulses [1, 2006.01]Obtaining pulses by using energy storage		one mode of operation to another, e.g. from
1/24	devices (pulse generators H03K) [1, 2006.01]		radioscopy to radiography, from radioscopy to irradiation [1, 2006.01]
1/26	Measuring, controlling, protecting (measuring)	1/60	 Circuit arrangements for obtaining a series of X-
1/20	electric values G01R; measuring X-ray intensity		ray photographs or for X-ray
	G01T) [1, 2006.01]	1 /61	cinematography [1, 2006.01]
1/28	• • Measuring or recording actual exposure time;	1/61	• • • for obtaining stereoscopic photographs [5, 2006.01]
	Counting number of exposures; Measuring	1/62	Circuit arrangements for obtaining X-ray
	required exposure time [1, 2006.01]	1702	photography at predetermined instants in the
1/30	• • • Controlling [1, 2006.01]		movement of an object, e.g. X-ray
1/32	• • • Supply voltage of the X-ray apparatus or		stroboscopy [1, 2006.01]
	tube (regulating supply without reference to	1/64	 Circuit arrangements for X-ray apparatus
	operating characteristics of the apparatus G05F) [1, 2006.01]		incorporating electronic image converters, e.g.
1/34	• • • Anode current, heater current, heater voltage		image intensifiers [1, 5, 2006.01]
1/34	of X-ray tube (regulating supply without	1/66	Circuit arrangements for X-ray tubes with target
	reference to operating characteristics of the	1 / 60	movable relatively to the anode [1, 2006.01]
	apparatus G05F) [1, 2006.01]	1/68	 Circuit arrangements for Lilienfeld tubes; Circuit arrangements for gas-filled X-ray
1/36	• • • Temperature of anode; Brightness of image [1, 2006.01]	1 /70	tubes [1, 2006.01]
1/38	• • • • Exposure time [1, 2006.01]	1/70	Circuit arrangements for X-ray tubes with more than one anode; Circuit arrangements for
1/40	• • • • using adjustable time switch [1, 2006.01]		apparatus comprising more than one X-ray
1/42	• • • • using arrangements for switching when a predetermined dose of radiation has been		tube [1, 2006.01]
	applied, e.g. in which the switching instant is determined by measuring the electrical energy supplied to the tube [1, 2006.01]	2/00	Apparatus or processes specially adapted for producing X-rays, not involving X-ray tubes, e.g. involving generation of a plasma (X-ray lasers H01S 4/00; plasma technique in general H05H) [5, 2006.01]

PLASMA TECHNIQUE (ion-beam tubes H01J 27/00; magnetohydrodynamic generators H02K 44/08; producing X-rays involving plasma generation H05G 2/00); PRODUCTION OF ACCELERATED ELECTRICALLY- CHARGED PARTICLES OR OF NEUTRONS (obtaining neutrons from radioactive sources G21, e.g. G21B, G21C, G21G); PRODUCTION OR ACCELERATION OF NEUTRAL MOLECULAR OR ATOMIC BEAMS (atomic clocks G04F 5/14; devices using stimulated emission H01S; frequency regulation by comparison with a reference frequency determined by energy levels of molecules, atoms, or subatomic particles H03L 7/26)

Note(s) [3]

- 1. This subclass covers:
 - a. generating or handling plasma;
 - b. devices not covered by subclass H01J and in which electrons, ion beams, or neutral particles are accelerated to high energies;
 - c. devices for producing neutral particle beams;
 - d. targets for (a), (b), or (c).
 - Attention is drawn to subclass G21K.

$\underline{Subclass\ index}$

				OR ACCELERATION OF NEUTRAL PARTICLE BEAM		
				NUCLEAR REACTIONS		6/00
				CELERATORS		F/00
				ge accelerators, accelerators using single pulsesnetic induction; magnetic resonance		
				netic induction, magnetic resonance		
Detai	113.	••••	• • • • •		• • • • • • • • • • • • • • • • • • • •	7700
1/00				erating plasma; Handling plasma (application of na technique in thermonuclear fusion reactors	1/52	 using exploding wires or spark gaps (H05H 1/2 takes precedence; spark gaps in general
				3 1/00) [1, 2006.01]		H01T) [3, 2006.01]
1/02			A	rrangements for confining plasma by electric or agnetic fields; Arrangements for heating plasma	1/54	• Plasma accelerators [3, 2006.01]
				lectron optics H01J) [1, 2006.01]	3/00	Production or acceleration of neutral particle bear
1/03			-	using electrostatic fields [3, 2006.01]		e.g. molecular or atomic beams [3, 2006.01]
1/04				using magnetic fields substantially generated by	3/02	Molecular or atomic-beam generation, e.g. resonation.
				the discharge in the plasma [1, 2006.01]		beam generation (gas masers
1/06				• Longitudinal pinch devices [1, 2006.01]		H01S 1/06) [3, 2006.01]
1/08				• Theta pinch devices [1, 2006.01]	3/04	 Acceleration by electromagnetic wave
1/10				using applied magnetic fields only [1, 2006.01]		pressure [3, 2006.01]
				3 11	3/06	 Generating neutron beams (targets for producing
1/11		•	•	 using cusp configuration (H05H 1/14 takes precedence) [3, 2006.01] 		nuclear reactions H05H 6/00; neutron sources
1 / 1 つ		_		•		G21G 4/02) [5, 2006.01]
1/12		•	•	• wherein the containment vessel forms a closed		
. /				loop, e.g. stellarator [1, 2006.01]	5/00	Direct voltage accelerators; Accelerators using sin
1/14		•	•	wherein the containment vessel is straight and		pulses (H05H 3/06 takes precedence) [1, 5, 2006.01]
				has magnetic mirrors [1, 2006.01]	5/02	 Details (targets for producing nuclear reactions
1/16		•	•	using applied electric and magnetic		H05H 6/00) [1, 3, 2006.01]
				fields [1, 2006.01]	5/03	 Accelerating tubes (vessels or containers of
1/18		•	•	 wherein the fields oscillate at a very high 		electric discharge tubes with improved potentia
				frequency, e.g. in the microwave		distribution over surface of vessel H01J 5/06;
				range [1, 2006.01]		shields of X-ray tubes associated with vessels of
1/20		•	•	Ohmic heating [1, 2006.01]		containers H01J 35/16) [4, 2006.01]
1/22		•	•	for injection heating [1, 2006.01]	5/04	 energised by electrostatic generators, e.g. by van c
1/24		•	G	enerating plasma [2, 2006.01]		Graaff generator [1, 4, 2006.01]
1/26		•	•	Plasma torches [2, 2006.01]	5/06	 Tandem accelerators; Multi-stage
1/28		•	•	• Cooling arrangements [3, 2006.01]		accelerators [1, 2006.01]
1/30				• using applied electromagnetic fields, e.g. high-	5/08	 Particle accelerators using step-up transformers, e.
				frequency or microwave energy (H05H 1/28		resonance transformers [4, 2006.01]
				takes precedence) [3, 2006.01]		
1/32		•	•	• using an arc (H05H 1/28 takes	6/00	Targets for producing nuclear reactions (supports
				precedence) [3, 2006.01]		targets or objects to be irradiated
1/34			•	• Details, e.g. electrodes, nozzles [3, 2006.01]		G21K 5/08) [3, 2006.01]
1/36				• • Circuit arrangements (H05H 1/38,	7/00	Details of devices of the types covered by groups
1,00				H05H 1/40 take precedence) [3, 2006.01]	7/00	H05H 9/00-H05H 13/00 (targets for producing nucle
1/38				• • • Guiding or centering of		reactions H05H 6/00) [1, 3, 2006.01]
1/30				electrodes [3, 2006.01]	7/02	 Circuits or systems for supplying or feeding radio
1/40				• • using applied magnetic fields, e.g. for	7702	frequency energy (radio-frequency generators
1/40		•	•			
1 / 4つ				focusing or rotating the arc [3, 2006.01]	7/04	H03B) [1, 2006.01] • Magnet systems: Energication thereof [1, 2006.01]
1/42		-	•	 with provisions for introducing materials into the plasma, e.g. powder, liquid 	7/04	• Magnet systems; Energisation thereof [1, 2006.01
				(electrostatic spraying, spraying apparatus	7/06	• Two-beam arrangements; Multi-beam
				with means for charging the spray	E /00	arrangements [1, 2006.01]
				electrically B05B 5/00) [3, 2006.01]	7/08	• Arrangements for injecting particles into
L/44				 using more than one torch [3, 2006.01] 	_ ,	orbits [1, 2006.01]
			•	~	7/10	Arrangements for ejecting particles from
1/46		•	•	using applied electromagnetic fields, e.g. high		orbits [1, 2006.01]
				frequency or microwave energy (H05H 1/26 takes	7/12	Arrangements for varying final energy of
1 / 40				precedence) [3, 2006.01]		beam [1, 2006.01]
1/48		•	•	using an arc (H05H 1/26 takes	7/14	 Vacuum chambers (H05H 5/03 takes
1 /50				precedence) [3, 2006.01]		precedence) [4, 2006.01]
1/50		•	•	• and using applied magnetic fields, e.g. for	7/16	• • of the waveguide type [4, 2006.01]
				focusing or rotating the arc [3, 2006.01]	7/18	 Cavities; Resonators [4, 2006.01]
					7/20	• • • with superconductive walls [4, 2006.01]

//22	• Details of linear accelerators, e.g. drift tubes (H05H 7/02-H05H 7/20 take precedence) [4, 2006.01]
9/00	Linear accelerators (H05H 11/00 takes precedence) [1, 2006.01]
9/02	• Travelling-wave linear accelerators [1, 2006.01]
9/04	• Standing-wave linear accelerators [1, 2006.01]
11/00	Magnetic induction accelerators, e.g. betatrons [1, 2006.01]
11/02	 Air-cored betatrons [1, 2006.01]
11/04	• Biased betatrons [1, 2006.01]

Magnetic resonance accelerators;

Cyclotrons [1, 2006.01]

- Synchrocyclotrons, i.e. frequency-modulated cyclotrons [1, 2006.01]
- 13/04 Synchrotrons [1, 2006.01]
- Air-cored magnetic resonance accelerators [1, 2006.01]
- 13/08 Alternating-gradient magnetic resonance accelerators [1, 2006.01]
 - Accelerators comprising one or more linear accelerating sections and bending magnets or the like to return the charged particles in a trajectory parallel to the first accelerating section, e.g. microtrons [4, 2006.01]
- 15/00 Methods or devices for acceleration of charged particles not otherwise provided for [4, 2006.01]

PRINTED CIRCUITS; CASINGS OR CONSTRUCTIONAL DETAILS OF ELECTRIC APPARATUS; MANUFACTURE OF ASSEMBLAGES OF ELECTRICAL COMPONENTS (details of instruments or comparable details of other apparatus not otherwise provided for G12B; thin-film or thick-film circuits H01L 27/01, H01L 27/13; non-printed means for electric connections to or between printed circuits H01R; casings for, or constructional details of, particular types of apparatus, <u>see</u> the relevant subclasses; processes involving only a single technical art, e.g. heating, spraying, for which provision exists elsewhere, <u>see</u> the relevant classes)

13/10

Note(s)

13/00

- 1. This subclass covers:
 - combinations of a radio or television receiver with apparatus having a different main function;
 - printed circuits structurally associated with non-printed electric components.
- 2. In this subclass, the following expression is used with the meaning indicated:
 - "printed circuits" covers all kinds of mechanical constructions of circuits that consist of an insulating base or support carrying the conductor and are combined structurally with the conductor throughout their length, especially in a two-dimensional plane, the conductors of which are secured to the base in a non-dismountable manner, and also covers the processes or apparatus for manufacturing such constructions, e.g. forming the circuit by mechanical or chemical treatment of a conductive foil, paste, or film on an insulating support.

Subclass index

PRINTED CIRCUITS ASSOCIATED OR NOT ASSOCIATED WITH NON-PRINTED ELECTRIC COMPONENTS

0.0111101111011110111111111111111111111	
Types; manufacture	1/00, 3/00
CASINGS, CABINETS OR DRAWERS; CONSTRUCTIONAL DETAILS	5/00, 7/00
SCREENING	9/00
COMBINATIONS OF A RADIO OR TELEVISION RECEIVER WITH OTHER APPARATUS	11/00
MANUFACTURE OF ELECTRONIC ASSEMBLAGES	13/00
ARRANGEMENTS FOR IMPROVING THE OPERATING RELIABILITY	10/00

1/00 Printed circuits (assemblies of a plurality of individual semiconductor or solid state devices H01L 25/00; devices consisting of a plurality of solid state components formed in or on a common substrate, e.g. integrated circuits, thin-film or thick-film circuits, H01L 27/00) [1, 2006.01]

- 1/02 Details [1, 2006.01]
- 1/03 • Use of materials for the substrate **[3, 2006.01]**
- 1/05 • Insulated metal substrate **[3, 2006.01]**
- 1/09 Use of materials for the metallic pattern [3, 2006.01]
- Printed elements for providing electric connections to or between printed circuits [3, 2006.01]
- 1/14 Structural association of two or more printed circuits (providing electric connection to or between printed circuits H05K 1/11, H01R 12/00) [1, 2006.01]

- 1/16 incorporating printed electric components, e.g. printed resistor, capacitor, inductor [1, 2006.01]
- 1/18 Printed circuits structurally associated with non-printed electric components (H05K 1/16 takes precedence) [1, 2006.01]
- 3/00 Apparatus or processes for manufacturing printed circuits (photomechanical production of textured or patterned surfaces, materials or originals therefor, apparatus specially adapted therefor, in general G03F; involving the manufacture of semiconductor devices H01L) [1, 3, 2006.01]
- in which the conductive material is applied to the surface of the insulating support and is thereafter removed from such areas of the surface which are not intended for current conducting or shielding [1, 2006.01]
- 3/04 the conductive material being removed mechanically, e.g. by punching **[1, 2006.01]**

3/06	the conductive material being removed chemically	7/14	Mounting supporting structure in casing or on frame
3700	or electrolytically, e.g. by photo-etch	//14	or rack [1, 2006.01]
	process [1, 2006.01]	7/16	 on hinges or pivots [1, 2006.01]
3/07	• • • being removed electrolytically [3, 2006.01]	7/18	• Construction of rack or frame [1, 2006.01]
3/08	 the conductive material being removed by electric 	7/20	Modifications to facilitate cooling, ventilating, or
	discharge, e.g. by spark erosion [1, 2006.01]	,,_0	heating [1, 2006.01]
3/10	 in which conductive material is applied to the 		, , , , , , , , , , , , , , , , , , ,
	insulating support in such a manner as to form the	9/00	Screening of apparatus or components against
	desired conductive pattern [1, 2006.01]		electric or magnetic fields (devices for absorbing
3/12	using printing techniques to apply the conductive		radiation from an aerial H01Q 17/00) [1, 2006.01]
544	material [1, 2006.01]	10/00	Arrangements for improving the operating reliability
3/14	• • using spraying techniques to apply the conductive		of electronic equipment, e.g. by providing a similar
2/16	material [1, 2006.01]		stand-by unit [1, 2006.01]
3/16	• • • by cathodic sputtering [1, 2006.01]		Note(a) [6]
3/18	 using precipitation techniques to apply the conductive material [1, 2006.01] 		Note(s) [6]
3/20	by affixing prefabricated conductor		Attention is drawn to the following appropriate places:
3/20	pattern [1, 2006.01]		G05B 9/03Electric redundant control systems
3/22	• Secondary treatment of printed circuits [1, 2006.01]		G06F 11/16Error detection or
3/24	• • Reinforcing of the conductive pattern [1, 2006.01]		correction of data by
3/26	Cleaning or polishing of the conductive		redundancy in digital
57 2 5	pattern [1, 2006.01]		computer hardware
3/28	Applying non-metallic protective		G08B 29/16Security signalling or
	coatings [1, 2006.01]		alarm systems
3/30	 Assembling printed circuits with electric 		H02H 3/05Redundant emergency protective circuit
	components, e.g. with resistor [1, 2006.01]		arrangements
3/32	 electrically connecting electric components or 		H02J 3/38Arrangements for
	wires to printed circuits [1, 2006.01]		parallelly feeding a
3/34	• • • by soldering [1, 2006.01]		single network
3/36	Assembling printed circuits with other printed		H02J 9/04Circuit arrangements
2/20	circuits [1, 2006.01]		with stand-by power
3/38	 Improvement of the adhesion between the insulating substrate and the metal [3, 2006.01] 		supply H03K 19/003Modifications for
3/40	Forming printed elements for providing electric		increasing the reliability
5/ 40	connections to or between printed		of logic circuits or
	circuits [3, 2006.01]		inverting circuits
3/42	 Plated through-holes [3, 2006.01] 		H03K 19/007Fail-safe logic circuits
3/44	Manufacturing insulated metal core		or inverting circuits
	circuits [3, 2006.01]		H03L 7/07Redundant clock signal generation in generators
3/46	 Manufacturing multi-layer circuits [3, 2006.01] 		of electronic oscillations
E /00	Caringa sahinata ay dua aya fay dastais annountes		or pulses
5/00	Casings, cabinets or drawers for electric apparatus (in general A47B; radio receiver cabinets H04B 1/08;		H04B 1/74Transmission systems
	television receiver cabinets H04N 5/64) [1, 2006.01]		using redundant
5/02	• Details [1, 2006.01]		channels or apparatus
5/03	• • Covers [1, 2006.01]		H04L 1/22Redundant apparatus for
5/04	• Metal casings [1, 2006.01]		increasing reliability of arrangements used for
5/06	Hermetically-sealed casings [1, 2006.01]		the transmission of
			digital information.
7/00	Constructional details common to different types of		-
	electric apparatus (casings, cabinets, drawers	11/00	Combinations of a radio or television receiver with
E /00	H05K 5/00) [1, 2006.01]		apparatus having a different main
7/02	Arrangements of circuit components or wiring on Supporting structure [1, 2006 01]	11/02	function [1, 2006.01]with vehicles [1, 2006.01]
7/04	supporting structure [1, 2006.01]on conductive chassis [1, 2006.01]	11/02	with vehicles [1, 2000.01]
7/0 4 7/06	 on insulating boards [1, 2006.01] 	13/00	Apparatus or processes specially adapted for
7/08	 on instituting boards [1, 2006.01] on perforated boards [1, 2006.01] 		manufacturing or adjusting assemblages of electric
7/08	 Plug-in assemblages of components [1, 2006.01] 		components [1, 2006.01]
7/10	Resilient or clamping means for holding	13/02	Feeding of components (in general
//±4	component to structure (holding two-part	48	B65G) [1, 2006.01]
	couplings together H01R 13/00) [1, 2006.01]	13/04	• Mounting of components [1, 2006.01]
		13/06	• Wiring by machine [1, 2006.01]
		13/08	• Monitoring manufacture of assemblages [1, 2006.01]