1	PLURAL DIVERSE HEATING MEANS	48	Conductor arrangement
2	.Arc	49	Control
3	With resistance	50	By changing electrode position
4	With induction	51	.Electrode replacement
5	.Resistance	52	.Electrode support
б	With induction	53	Plural electrodes
7	.Induction	54	.Electrode
8	ENVIRONMENTAL CONTROL	55	With protective shield
9	.Arc furnace	56	WITH CONDENSATING DEVICE
10	ELECTRON BEAM FURNACE DEVICE	57	.Including resistance furnace
11	.Vaporizing furnace		detail
12	Power supply and control	58	With open circuit (i.e., charge
	circuit		internal resistance heating)
13	Gun assembly	59	.Including induction furnace
14	With deflection control		detail
15	.Ingot remelting	60	ARC FURNACE DEVICE
16	.With plural beam devices	61	.Indirect
17	.Zone melting	62	Arc between spaced electrodes
18	PLASMA FURNACE DEVICE	63	Charge fed into space
19	.Indirect heating	64	With arc deflection means
20	Rotary furnace	65	Arc between electrode and
21	.Remelting furnace (i.e., ingot		crucible exterior
	remelting)	66	Combined with or convertible to
22	.Direct furnace (i.e., plasma		direct arc furnace
	flame impinges on the melt)	67	.Ingot remelting
23	Expanded arc column	68	With internal atmosphere
24	Sidewall mounted plasmatron		<pre>control (e.g., pressure, vacuum, etc.)</pre>
25	CION DICCUARCE EURAACE DEVICE	69	With electrode holder or guide
20	GLOW DISCHARGE FURNACE DEVICE	70	With power regulation
27	GLASS FURNACE DEVICE	71	.Furnace body detail
20	.Filament discharge (i.e.,	72	Hearth or crucible
20	Dushing)	73	Roof
29	Europage body detail	74	With cooling
3U 21	Furnace body detail	75	Sidewall
3⊥ 20	Multi-Chamber	76	With cooling
3⊿ 22	Chausing an dischausing	77	With internal atmosphere
33			control (e.g., pressure,
34	Including batch pre-heating		vacuum, etc.)
35	Including discharge area	78	.Plural furnace units
26	neating	79	.Charging or discharging
36	Electrode assembly	80	With charge pre-heating
3/	Protection means	81	Top charging
38	Holder	82	Through electrode
39	Electrical system	83	Bottom pour
40	Regulation	84	Discharge by tilting
41	Electrode arrangement (e.g.,	85	.For manipulation of the charge
4.0	array)		or melt (e.g., stirring)
42	ELECTROSLAG REMELTING DEVICE	86	Mechanical
43	.Plural furnace units	87	Crust breaking device
44	.Body detail	88	Electrode
45	Crucible	89	Self-baking (i e Soderberg)
46	.Start-up	90	Non-consumable
47	.Power supply system	20	

373 - 2 CLASS 373 INDUSTRIAL ELECTRIC HEATING FURNACES

91	Sectional	131	With resistor element
92	With means to join sections		compression
93	Composite (e.g., water cooled	132	Non-metallic resistor
	body with carbon tip)	133	Rod-like
94	.Electrode support	134	Including resistor shape detail
95	Seal	135	.Control
96	With electrode shield	136	Temperature
97	For Soderberg electrode (e.g.,	137	.Lining
	casing)	138	INDUCTION FURNACE DEVICE
98	Mast	139	.Zone melting
99	Crosshead	140	.With internal atmosphere control
100	Slipping holder		(e.g., pressure, vacuum, etc.)
101	With electrical contact or	141	Vacuum
	terminal	142	.For charging or discharging
102	.Power supply system	143	By tilting
103	Cable or cable suspension	144	.Having plural heating elements
	arrangement	145	.Having condition signaling means
104	With power regulation	146	.With means for manipulation of
105	By changing arc length		the charge or melt (e.g.,
106	Using a hydraulic or		stirring)
	pneumatic device	147	.Power supply system
107	With magnetically influenced	148	Regulating
	arc	149	.For furnace regulating
108	D.C. power	150	Electrical
109	RESISTANCE FURNACE DEVICE	151	.Coreless
110	.With internal atmosphere control	152	Coil
	(e.g., pressure, vacuum, etc.)	153	Support
111	Having tubular charge	154	Cooling
	containing or supporting	155	Lining
	element	156	Crucible
112	Vacuum	157	Conducting (e.g., graphite)
113	.For cooling	158	Cooling
114	Terminal	159	.Core-type (i.e., channel)
115	.Charging or discharging	160	Coil
116	.For manipulation of the charge	161	Channel
	or melt (e.g., stirring)	162	Lining
117	.With heating element detail	163	Crucible or hearth
118	Resistance crucible	164	Lining
119	Wall contained	165	Cooling
120	Open circuit (e.g., charge	166	MISCELLANEOUS
	internal resistance heating)		
121	Salt bath heating		
122	Including crucible or hearth		
	structure details	FOREIGN	ART COLLECTIONS
123	With preheating		
124	Including starting resistor	FOR	CLASS-RELATED FOREIGN DOCUMENTS
125	Including terminal detail		
126	With axial bore		
127	Having resistance encasement		
	means		
128	Mounting		

129 ...Base 130 ...Side wall