1	CASCADED OR COMBINED, DIVERSE CONVERSIONS IN WHICH THE FREQUENCY OR PHASE OR COMBINED CONVERSION IS WITHOUT	21.08	Having feedback winding inductively coupled to inverter inductive device (e.g., tertiary winding, etc.)
	INTERMEDIATE CONVERSION TO D.C.	21.09	Having output current feedback
2	.Current and phase (e.g., D.CPh1-Ph2)	21.1	Utilizing pulse-width modulation
3	Phase 1 to phase 2 to D.C.	21.11	Having particular pulse-
4	Single phase to polyphase to		width modulation circuit
	D.C.	21.12	For flyback-type converter
5	With interphase transformer	21.13	Having digital logic
6	Including plural anode/single cathode device	21.14	Having synchronous rectifier
7	With dynamic rectifier in	21.15	Having feedback isolation
	phase 2 to D.C. stage (e.g., commutator type)		<pre>(e.g., optoisolator, transformer coupled, etc.)</pre>
8	.Current and frequency (e.g., f1-	21.16	Having feedback winding
	f2-D.C.)		inductively coupled to
9	.Combined phase and frequency		inverter inductive device
	conversion (i.e., Ph1f1-Ph2f2)		<pre>(e.g., tertiary winding, etc.)</pre>
10	By semiconductor device converter	21.17	Having output current feedback
11	By electron tube converter	21.18	Utilizing pulse-width
12	By saturable reactor converter		modulation
13	CURRENT CONVERSION	22	Double-ended (i.e., push-
14			pull), self-oscillating type
15	.Cryogenic .Including D.CA.CD.C. converter	23	With automatic control of the magnitude of output voltage or
16			current
17	Having transistorized inverter	24	Double-ended (i.e., push-
	Bridge type		pull), separately-driven type
18	Single-ended, self-oscillating	25	With automatic control of the
19	typeWith automatic control of the		magnitude of output voltage or current
	magnitude of output voltage or current	26	Utilizing pulse-width
0.0			modulation
20	Single-ended, separately-	27	Having thyristor inverter
	driven type		(e.g., SCR, etc.)
21.01	With automatic control of the magnitude of output voltage or current	28	With automatic control of the magnitude of output voltage or
21.02	For resonant-type converter		current
21.02		29	Having electron-tube inverter
21.03	Having particular zero-	30	Single-ended type
	switching control circuit	31	Double-ended type (i.e., push-
	(e.g., for quasi-resonant		pull)
01 04	converter, etc.)	32	Rotary-commutator-type inverter
21.04	For forward-type converter	33	Vibrator-type inverter
21.05	Having digital logic	34	.Including an A.CD.CA.C.
21.06	Having synchronous	J 1	converter
04	rectifier	35	For transfer of power via a
21.07	Having feedback isolation	55	high voltage D.C. link (i.e.,
	<pre>(e.g., optoisolator, transformer coupled, etc.)</pre>		HVDC transmission system)

26	East sharper of whoma /a a	<i>c</i> 1	Ban markiforina
36	For change of phase (e.g.,	61 62	For rectifying
27	number of phases)	62	.With voltage division by storage
37	By semiconductor rectifier and	63	type impedance (i.e., V out)
2.0	inverter	63	.With means to selectively
38	By electron tube rectifier and		provide D.C. of either
2.0	inverter	<i>C</i> 1	polarity
39	.With means to introduce or	64	.With interphase transformer
4.0	eliminate frequency components	65	.Having plural converters for
40	In inverter systems		single conversion
41	By pulse modulation technique	66	Including plural anodes and
	(e.g., PWM, PPM, etc.)		single cathode (e.g., vapor
42	Including notching		arc device)
43	By step-wave, amplitude	67	Plural rectifiers
	summation technique	68	In series (e.g., series SCR's,
44	In rectifier systems		<pre>bridge circuits, etc.)</pre>
45	Including means for reducing	69	In parallel
	ripples from the output	70	Including semiconductor
46	With ripple responsive,		device
	automatic control	71	Plural inverters
47	With low pass L or LC filter	72	Master-slave
48	For semiconductor rectifier	73	.Constant current to constant
49	.With starting arrangement		voltage or vice versa
50	.Including automatic or integral	74	.With condition responsive means
	protection means		to control the output voltage
51	For high voltage D.C.		or current
-	transmission systems	75	Including inductive integral
52	For rectifiers		sensing and control means
53	Semiconductor type		(e.g., ferroresonant circuit)
54	Thyristor	76	Including integral sensing and
55	For inverters		control means for rectifier
56.01	Transistor inverter	77	With semiconductor conversion
56.02	Bridge type		means
56.03	Having current protection	78	Cooperating separate sensing
30.03			and control means
	<pre>(e.g., over current, short, etc.)</pre>	79	Including plural sensing or
56.04	•		control means
50.04	Including short protection	80	With transistor as control
	across a series-connected pair		means in the line circuit
	of transistors (e.g., shoot-	81	By rectifier
56.05	through protection, etc.)	82	With inductive control means
56.05	Having voltage protection	02	in the line circuit
	Double-ended type	83	With electron tube or valve
56.07	Having current protection	0.5	as control means in the line
56.08	Having voltage protection		circuit
56.09	Single-ended type	84	
56.1	Having current protection		For rectifier system
56.11	Having voltage protection	85	With thyristor control means
56.12	Transient protection (e.g.,	0.6	in the line circuit
	snubber, etc.)	86	External to rectifier (e.g.,
57	Thyristor inverter	0.17	pre or post regulation)
58	Bridge type	87	For plural phase to D.C.
59	.With voltage multiplication	0.0	rectifier
	means (i.e., V out > V in)	88	For full wave rectifier with
60	Including semiconductor means		at least 1 three electrode
			device

89	With transistor control means	125	In rectifier systems
	in the line circuit	126	Diode
90	With inductive control means	127	Transistor
	in the line circuit	128	Thyristor
91	Saturable reactor (e.g.,	129	Plural phase to D.C.
	magnetic amplifier)	130	With magnetic control means
92	In plural phase to D.C.	131	In transistor inverter systems
	system	132	Bridge type
93	With plural control	133	Double ended (i.e., push-pull)
	windings		type
94	With electron tube or valve	134	Separately driven
	control means in the line	135	In thyristor inverter systems
٥٠	circuit	136	Bridge type
95	For inverter	137	D.C. to plural phase
96	With thyristor control means	138	With commutation means
	in the line circuit	139	Double ended (i.e., push-pull)
97	With transistor control means		type
	in the line circuit	140	.Using impedance-type converter
98	For bridge-type inverter	141	.With cooling means
99	With electron tube or valve	142	.With means to connect the input
	control means in the line		to diverse power sources
100	circuit	143	110/220 Volts A.C. in, constant
100	.With manual control of the		110 Volts D.C. out
101	output voltage or current	144	.With conductive support mounting
101	.With auxiliary bucking or	145	Adapted for use with
100	boosting EMF		alternators
102	.Using dynamoelectric machine	146	.Encased in plug housing
	converter	1 4 🗆	
100		147	.Integrated circuit
103	Plural collector type	147 148	.Integrated circuit PHASE CONVERSION (PH1-PH2)
104	Plural collector type Having plural field windings		
104 105	Plural collector typeHaving plural field windingsHaving auxiliary motor drive		PHASE CONVERSION (PH1-PH2)
104 105 106	Plural collector typeHaving plural field windingsHaving auxiliary motor drive.By circuit interrupter type		PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE
104 105 106 107	Plural collector typeHaving plural field windingsHaving auxiliary motor drive.By circuit interrupter typeRotating	148	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C.
104 105 106 107 108	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)	148	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.CWith automatic voltage magnitude
104 105 106 107 108 109	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)	148 149 150	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.CWith automatic voltage magnitude or phase angle control .By dynamoelectric machine converter
104 105 106 107 108 109	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating	148 149 150 151	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter
104 105 106 107 108 109 110	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converter	148 149 150 151 152	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter
104 105 106 107 108 109 110 111	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphere	148 149 150 151 152 153	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type
104 105 106 107 108 109 110 111 112 113	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element control	148 149 150 151 152 153 154	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary
104 105 106 107 108 109 110 111 112 113	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systems	148 149 150 151 152 153	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type
104 105 106 107 108 109 110 111 112 113	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying	148 149 150 151 152 153 154 155	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary
104 105 106 107 108 109 110 111 112 113 114	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control means	148 149 150 151 152 153 154	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements
104 105 106 107 108 109 110 111 112 113	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means	148 149 150 151 152 153 154 155	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element
104 105 106 107 108 109 110 111 112 113 114 115	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)	148 149 150 151 152 153 154 155	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements
104 105 106 107 108 109 110 111 112 113 114 115	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)D.C. bias control	148 149 150 151 152 153 154 155 156 157	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements FREQUENCY CONVERSION (F1-F2)
104 105 106 107 108 109 110 111 112 113 114 115	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)D.C. bias controlPhase angle control	148 149 150 151 152 153 154 155 156 157	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements FREQUENCY CONVERSION (F1-F2) WITHOUT INTERMEDIATE CONVERSION TO D.C. By varactor
104 105 106 107 108 109 110 111 112 113 114 115	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)D.C. bias controlPhase angle controlParticular waveform grid	148 149 150 151 152 153 154 155 156 157	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements FREQUENCY CONVERSION (F1-F2) WITHOUT INTERMEDIATE CONVERSION TO D.C.
104 105 106 107 108 109 110 111 112 113 114 115 116	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)D.C. bias controlPhase angle controlParticular waveform grid excitation	148 149 150 151 152 153 154 155 156 157	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements FREQUENCY CONVERSION (F1-F2) WITHOUT INTERMEDIATE CONVERSION TO D.C. By varactor
104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)D.C. bias controlPhase angle controlParticular waveform grid excitationIn inverter systems	148 149 150 151 152 153 154 155 156 157	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements FREQUENCY CONVERSION (F1-F2) WITHOUT INTERMEDIATE CONVERSION TO D.C. By varactor By semiconductor converter Thyristor type Positive and negative groups
104 105 106 107 108 109 110 111 112 113 114 115 116	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)D.C. bias controlPhase angle controlParticular waveform grid excitationIn inverter systemsWith discharge control means	148 149 150 151 152 153 154 155 156 157	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements FREQUENCY CONVERSION (F1-F2) WITHOUT INTERMEDIATE CONVERSION TO D.C. By varactor By semiconductor converter Thyristor type Positive and negative groups Including blanking or
104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)D.C. bias controlPhase angle controlParticular waveform grid excitation .In inverter systemsWith discharge control means (e.g., grid)	148 149 150 151 152 153 154 155 156 157 158 159 160 161	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements FREQUENCY CONVERSION (F1-F2) WITHOUT INTERMEDIATE CONVERSION TO D.C. By varactor By semiconductor converter Thyristor type Positive and negative groups
104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)D.C. bias controlPhase angle controlParticular waveform grid excitation .In inverter systemsWith discharge control means (e.g., grid)Crid-like electrode	148 149 150 151 152 153 154 155 156 157 158 159 160 161	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements FREQUENCY CONVERSION (F1-F2) WITHOUT INTERMEDIATE CONVERSION TO D.C. By varactor By semiconductor converter Thyristor type Positive and negative groups Including blanking or
104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)D.C. bias controlPhase angle controlParticular waveform grid excitationIn inverter systemsWith discharge control means (e.g., grid)Crid-like electrode .Using semiconductor-type	148 149 150 151 152 153 154 155 156 157 158 159 160 161 162	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements FREQUENCY CONVERSION (F1-F2) WITHOUT INTERMEDIATE CONVERSION TO D.C. By varactor By semiconductor converter Thyristor type Positive and negative groups Including blanking or inhibiting means
104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119	Plural collector typeHaving plural field windingsHaving auxiliary motor drive .By circuit interrupter typeRotatingRectifier (i.e., A.CD.C.)Inverter (i.e., D.CA.C.)Vibrating .Using electronic tube converterWith gap in open atmosphereWith cathode element controlIn rectifier systemsWith retarding or delaying control meansWith discharge control means (e.g., grid)D.C. bias controlPhase angle controlParticular waveform grid excitation .In inverter systemsWith discharge control means (e.g., grid)Crid-like electrode	148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163	PHASE CONVERSION (PH1-PH2) WITHOUT INTERMEDIATE CONVERSION TO D.C. With automatic voltage magnitude or phase angle control By dynamoelectric machine converter By electron tube converter By induction-type converter Transformer type Stationary With passive phase shift element By passive phase shift elements FREQUENCY CONVERSION (F1-F2) WITHOUT INTERMEDIATE CONVERSION TO D.C. By varactor By semiconductor converter Thyristor type Positive and negative groups Including blanking or inhibiting means Transistor type

165	.With automatic frequency control
166	.By electron tube converter
167	With discharge control means
168	Including plural anodes and
	single cathode device (e.g.,
	vapor arc device)
169	Thyratron type
170	.By induction-type converter
171	Transformer
172	Saturable core
173	LC circuit
174	Dynamoelectric machine
175	Motor generator type
176	Including induction motor
177	.By circuit interrupter converter
178	MISCELLANEOUS

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collection listed below. These collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

CURRENT CONVERSION

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.Cryogenic
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.. Including D.C.- A.C.- D.C. converter

...Bridge type

FOR 100With automatic control of the magnitude of the output voltage or current (363/21)

FOR 101 ...Semiconductor type (363/56)