

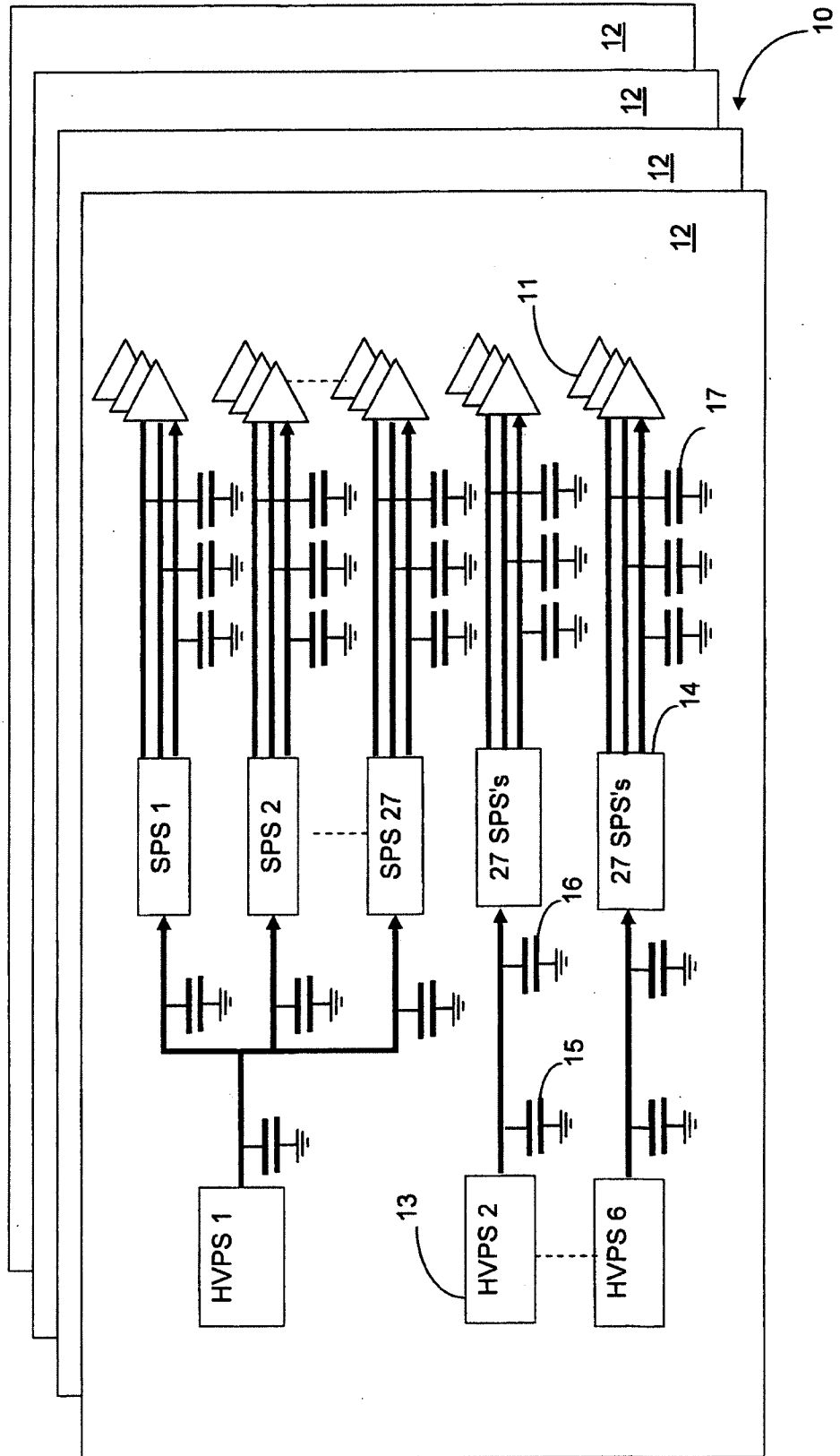


FIG. 1

Duty Cycle 10%												
Module	Module Qty	Load Qty	V _{in}	I _{in}	P _{in_p}	P _{in_avg}	V _{out}	I _{out_p}	I _{out_avg}	P _{out_p}	P _{out_avg}	Eff.
TR	10,368		8.7	0.9	78	7.8				20	210	25.5%
SPS	648	16	220	0.7	1,474	147.4	8.7	144.0	14.4	1,253	125.3	85%
HVPS	24	27	270	17.3	46,817	4,681.7	220	180.9	18.1	39,795	3,979.5	85%
Wall (RF ₁ F)	4	6	270	105.1	283,742	28,374.2	270	346.8	34.7	280,905	28,090.5	99%
Antenna	1	4	270	420.4	1,134,968	113,497	270	1,401.2	140.1	1,134,968	113,496.8	100%

FIG. 2

Module	Module Qty	Load Qty	V _{in}	I _{in}	P _{in_p}	P _{in_avg}	V _{out}	I _{out_p}	I _{out_avg}	P _{out_p}	P _{out_avg}	Eff.
TR	10368		8.7	0.9	7830	7.8				20	210	26%
SPS	648	16	70	2.53	17,687	147.4	8.7	144.0	14.4	1,253	125.3	85%
LVPS-CS	24	27	270	17.3	5,618	4,582	70	58.2	5.8	4,775	3,979	85%
Wall (RF ₁ F)	4	6	270	105.1	34,049	28,374	270	416	34.7	33,709	28,090	99%
Antenna	1	4	270	420.4	136,196	113,497	270	168.1	140.1	136,196	113,497	100%

FIG. 4

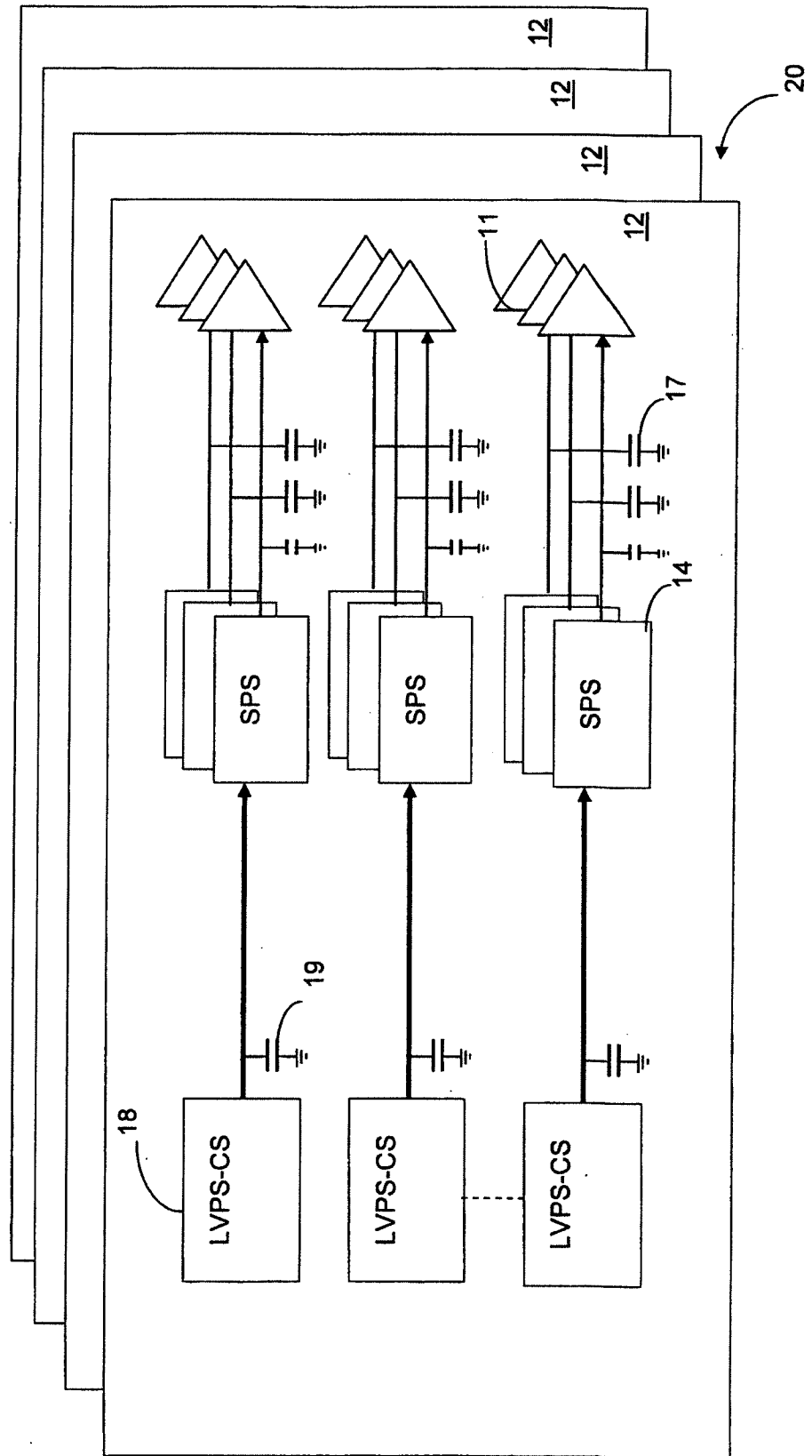


FIG. 3

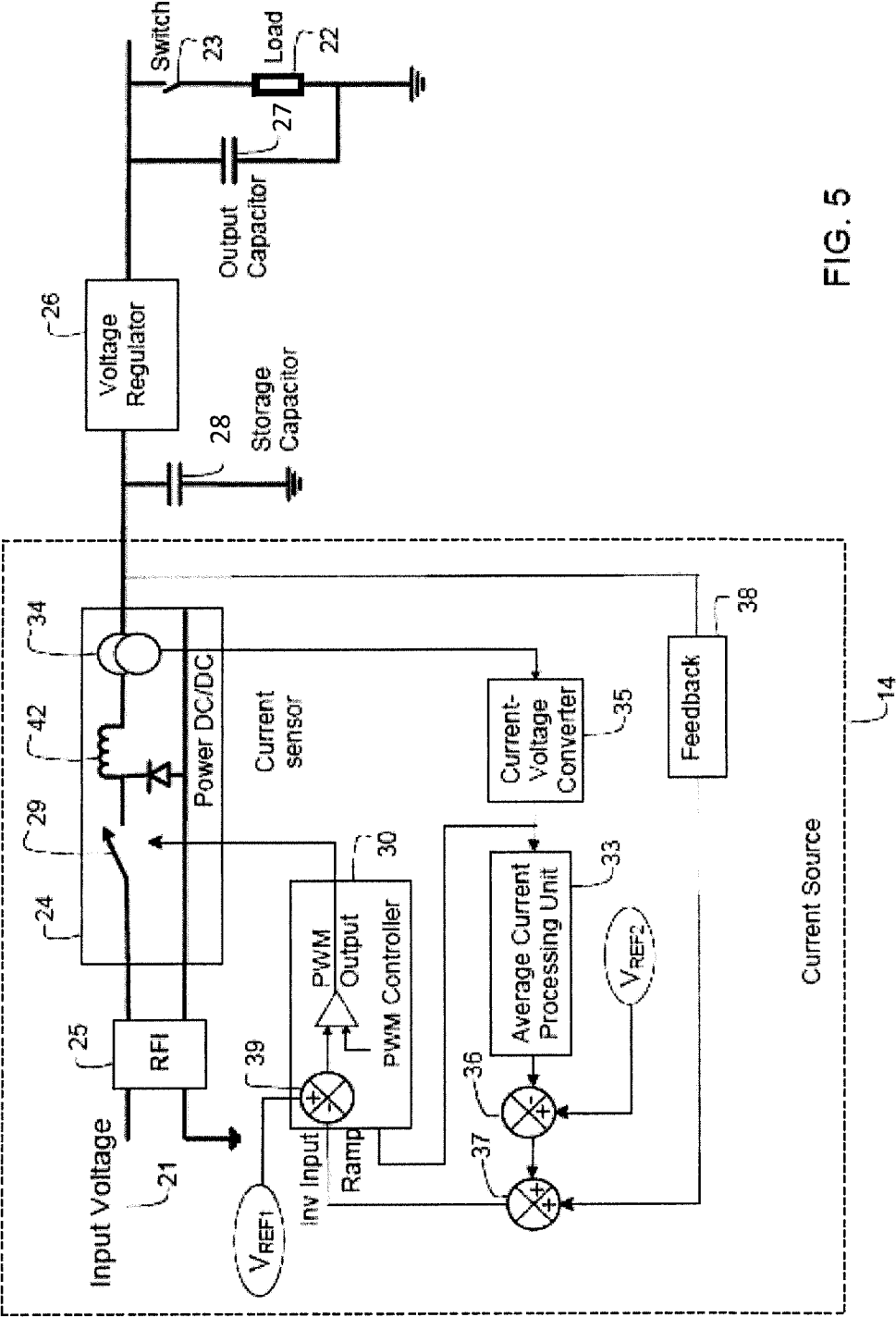


FIG. 5

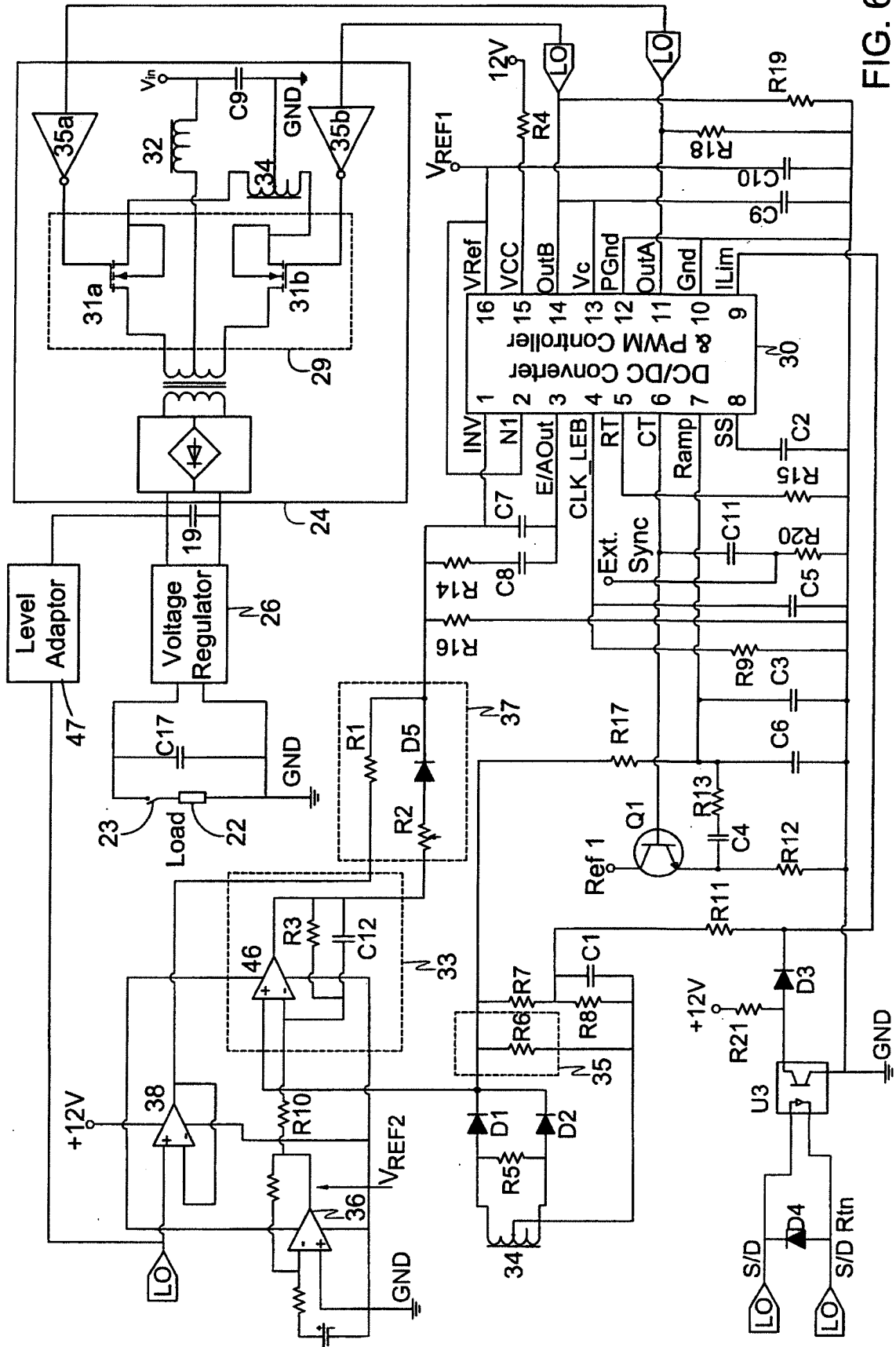
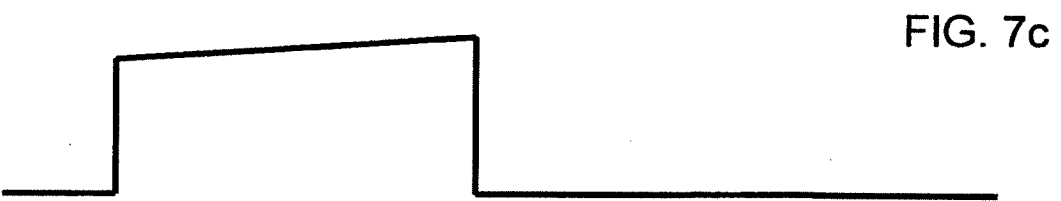
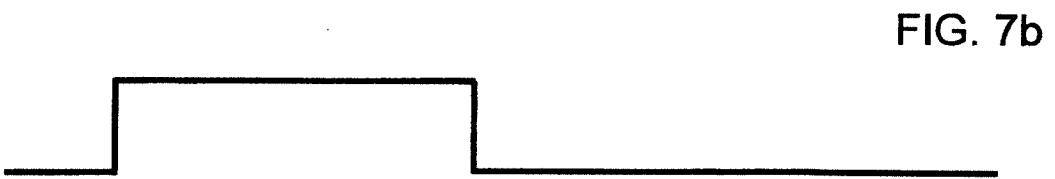
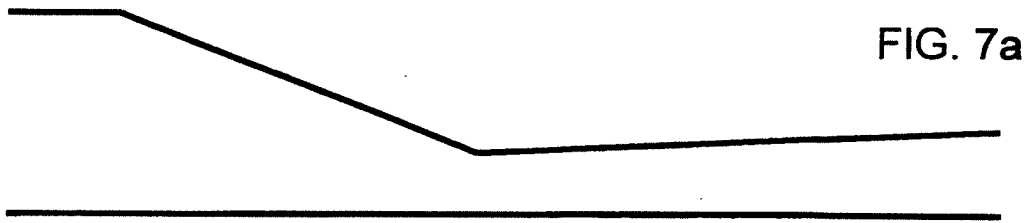


FIG. 6



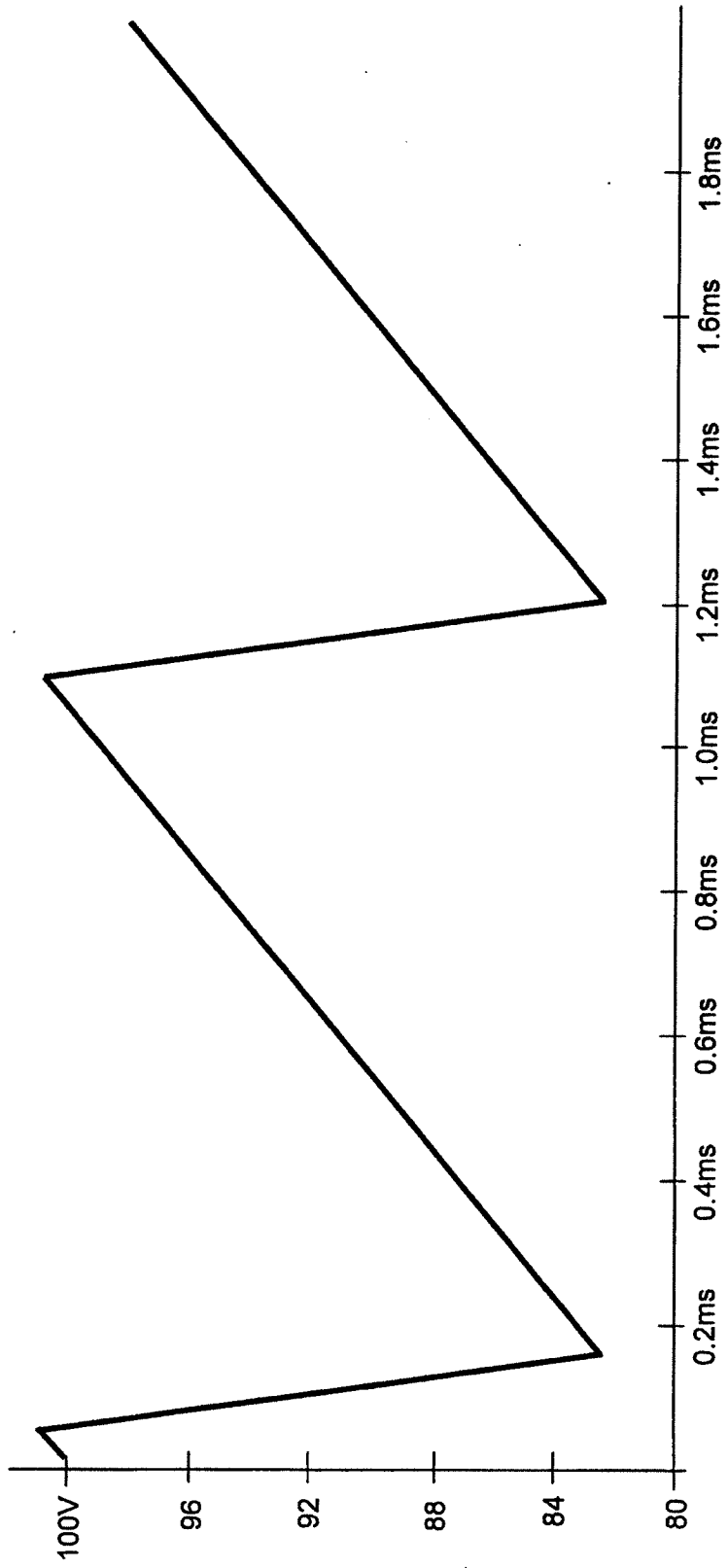


FIG. 8

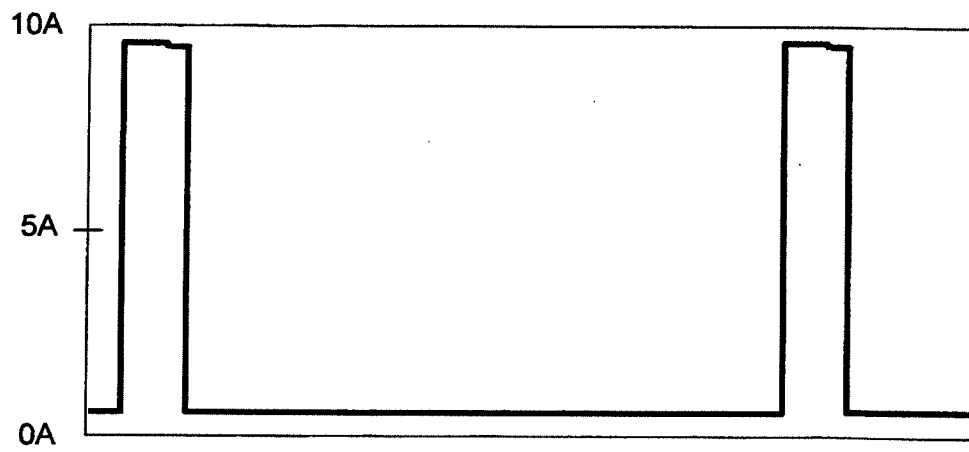


FIG. 9

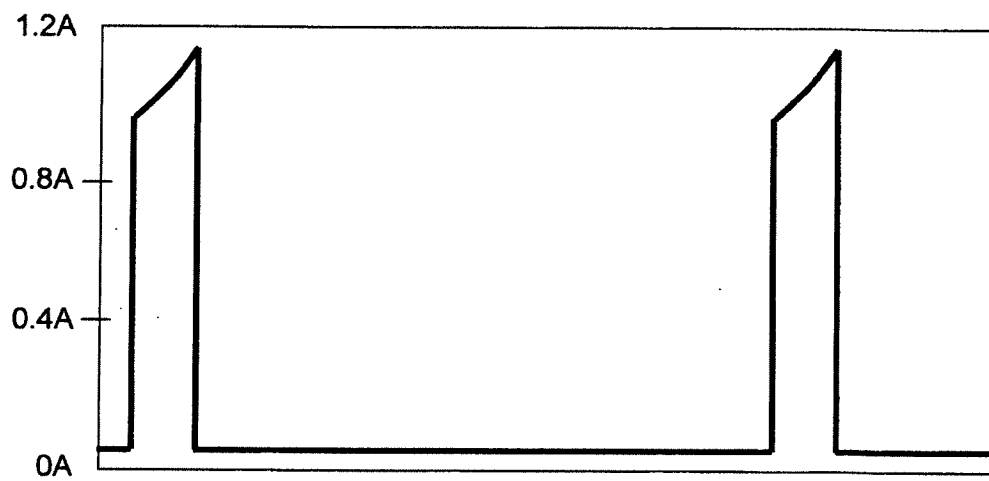


FIG. 10