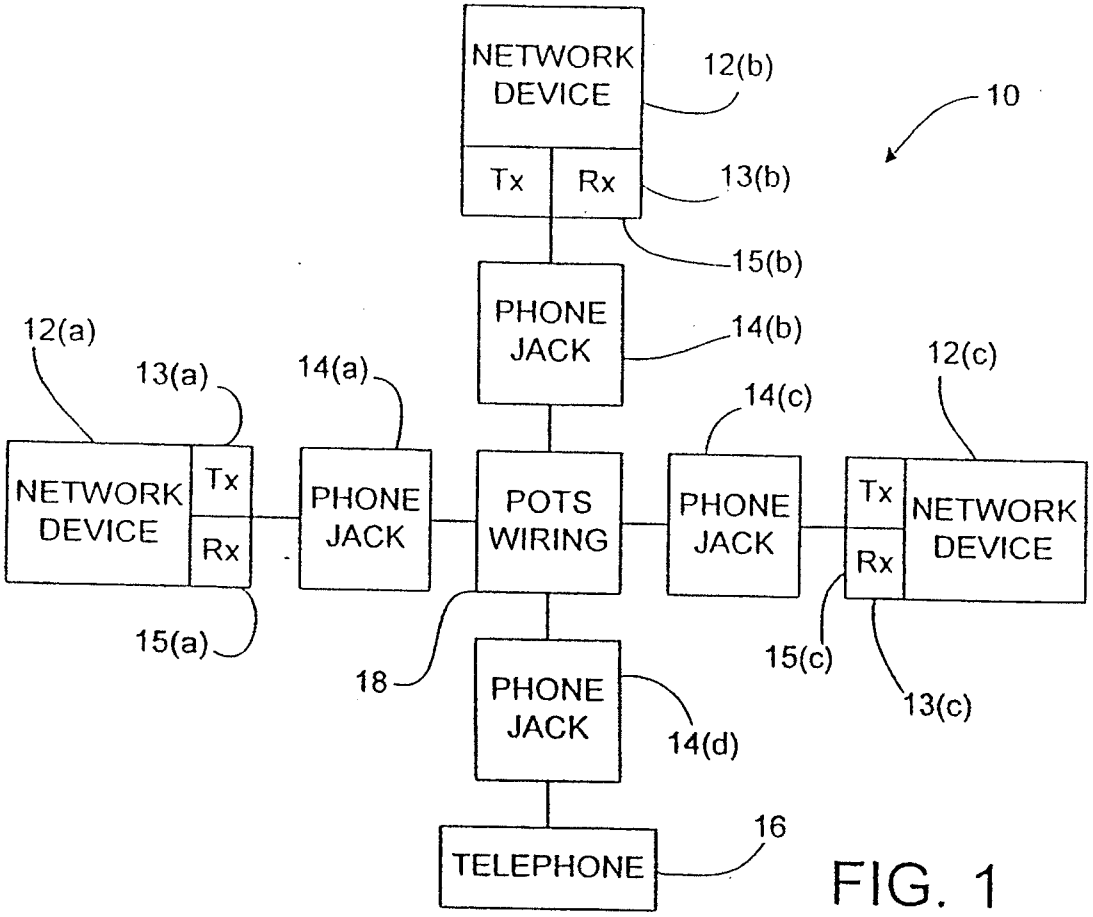


FIG. 1

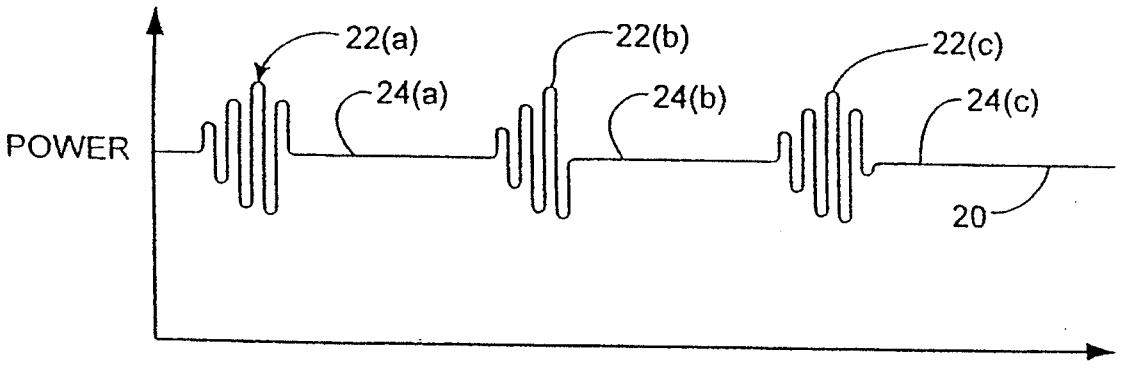


FIG. 2a

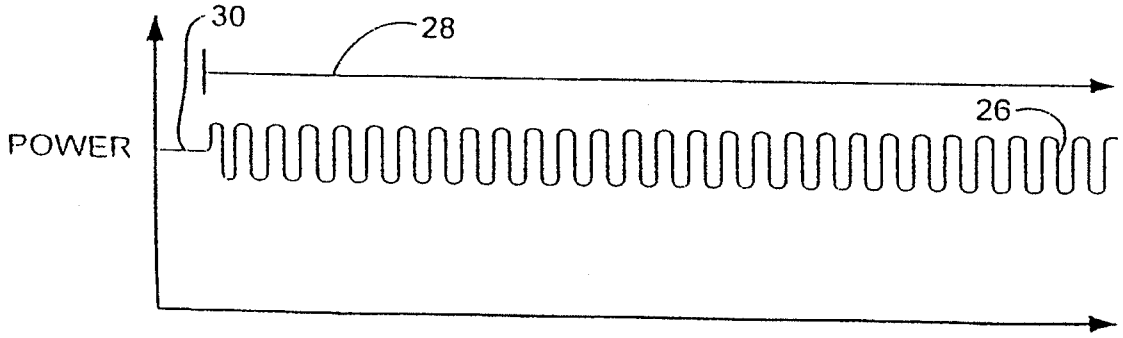


FIG. 2b

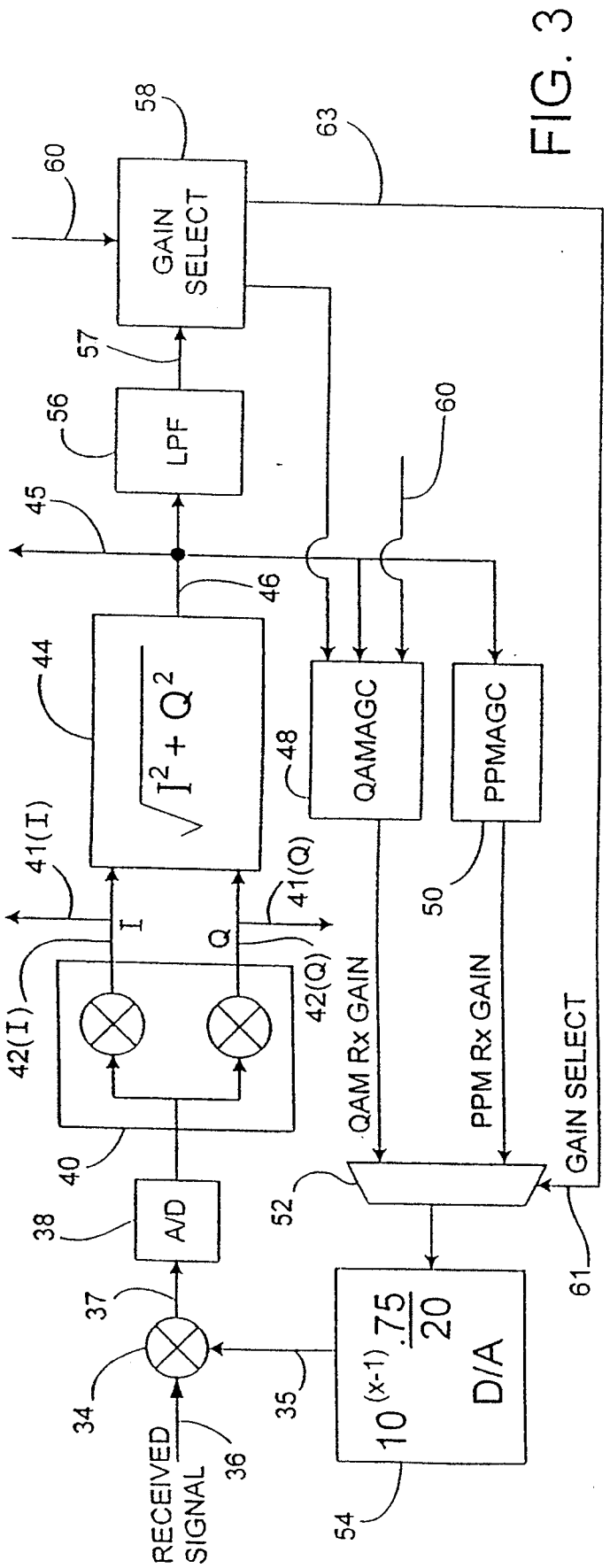

RECEIVED SIGNAL
36
34
37
35
A/D
38
40
42(I)
I
Q
42(Q)
41(I)
41(Q)
44
$\sqrt{I^2+Q^2}$
45
46
LPF
56
57
GAIN SELECT
58
60
63
32
QAMAGC
48
PPMAGC
50
60
QAM Rx GAIN
PPM Rx GAIN
GAIN SELECT
52
61
$10^{(x-1)}\frac{.75}{20}$
D/A
54

FIG. 3

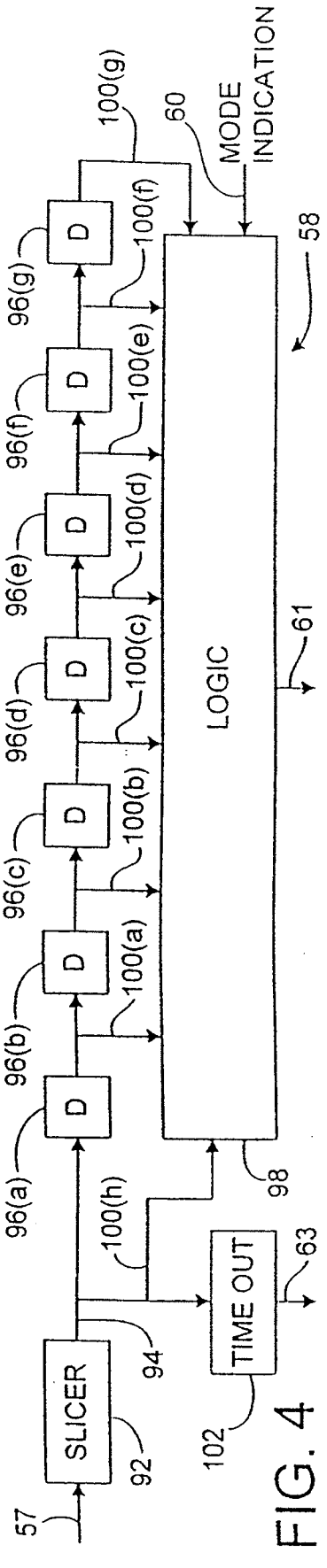

57
SLICER
92
94
TIME OUT
102
63
98
LOGIC
58
61
MODE INDICATION
60
D
96(a)
96(b)
96(c)
96(d)
96(e)
96(f)
96(g)
100(a)
100(b)
100(c)
100(d)
100(e)
100(f)
100(g)
100(h)

FIG. 4

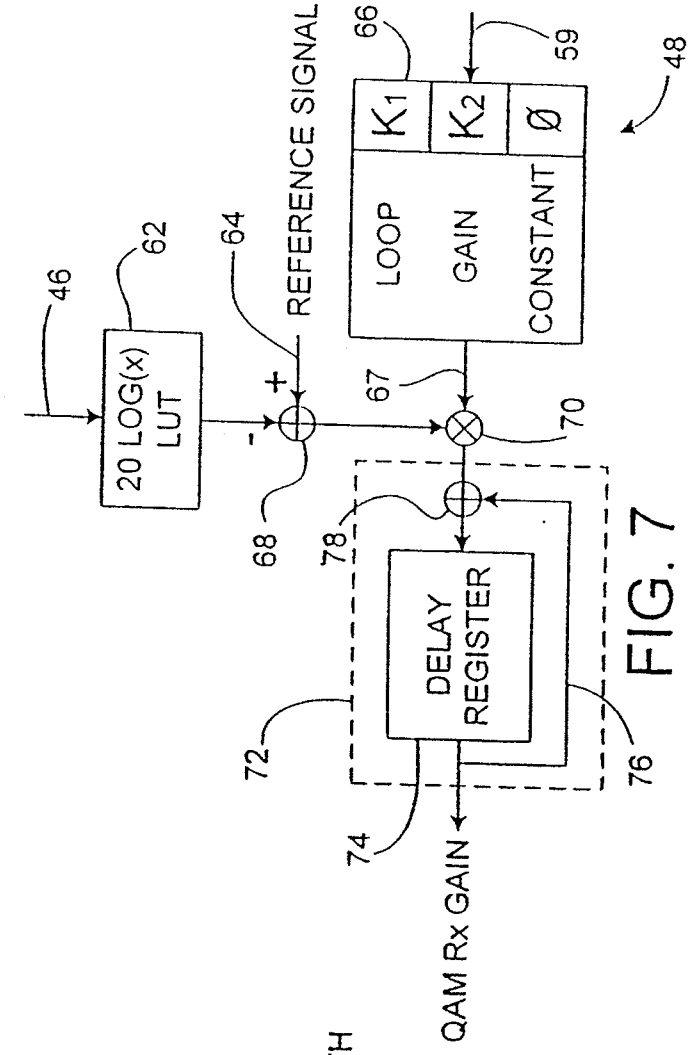


FIG. 7

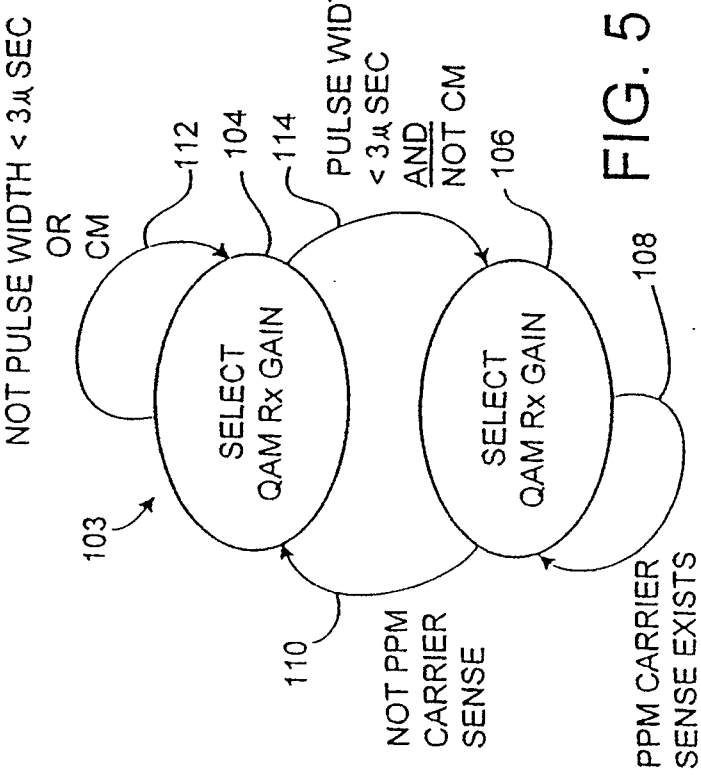


FIG. 5

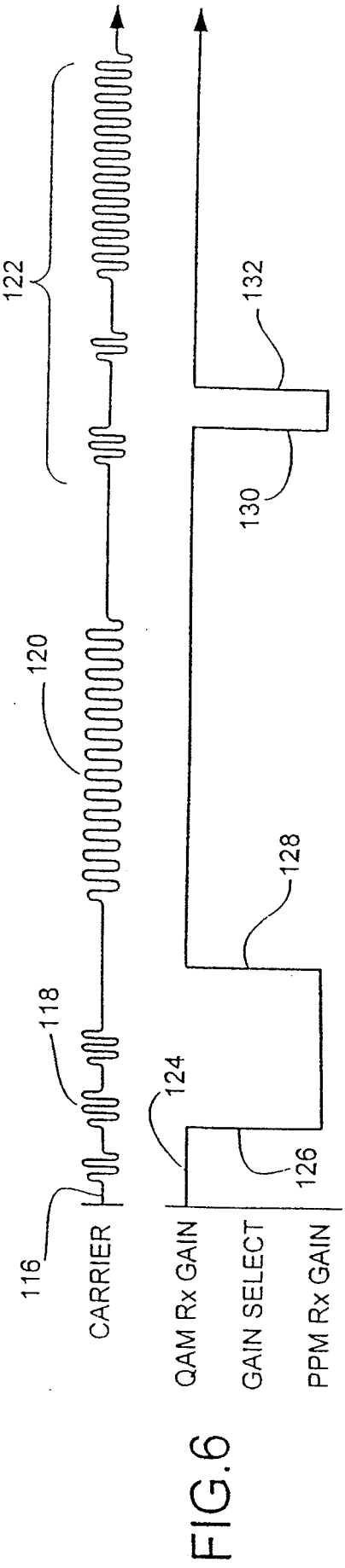


FIG.6

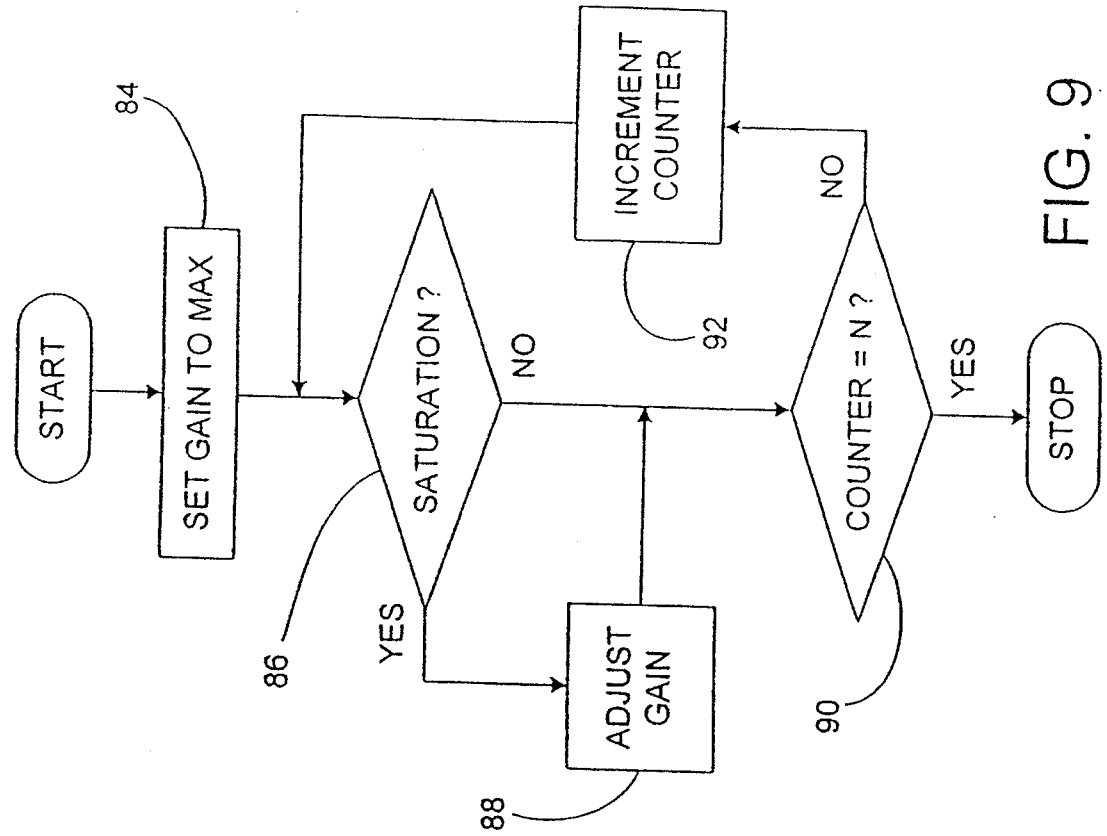

START
SET GAIN TO MAX
84
SATURATION ?
NO
YES
86
ADJUST GAIN
88
INCREMENT COUNTER
92
COUNTER = N ?
NO
YES
90
STOP

FIG. 9

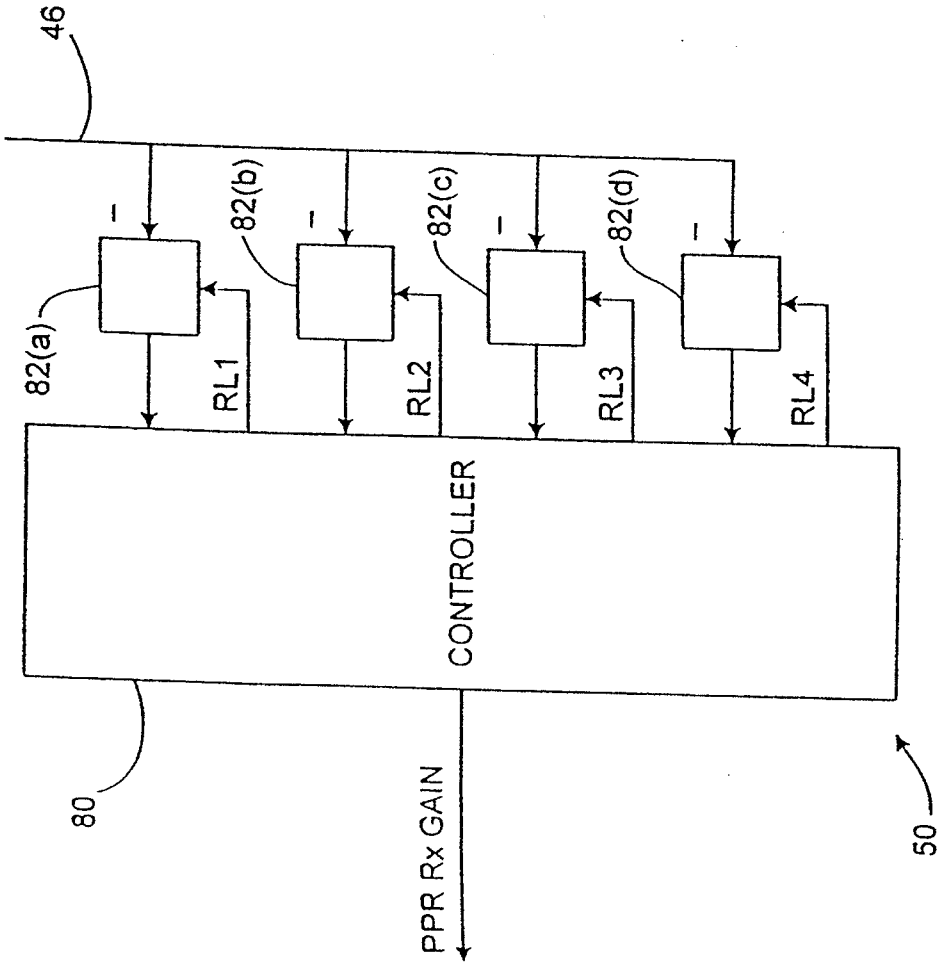

46
82(a)
82(b)
82(c)
82(d)
RL1
RL2
RL3
RL4
CONTROLLER
80
PPR Rx GAIN
50

FIG. 8