Replacement Sheet:
23 September 2002

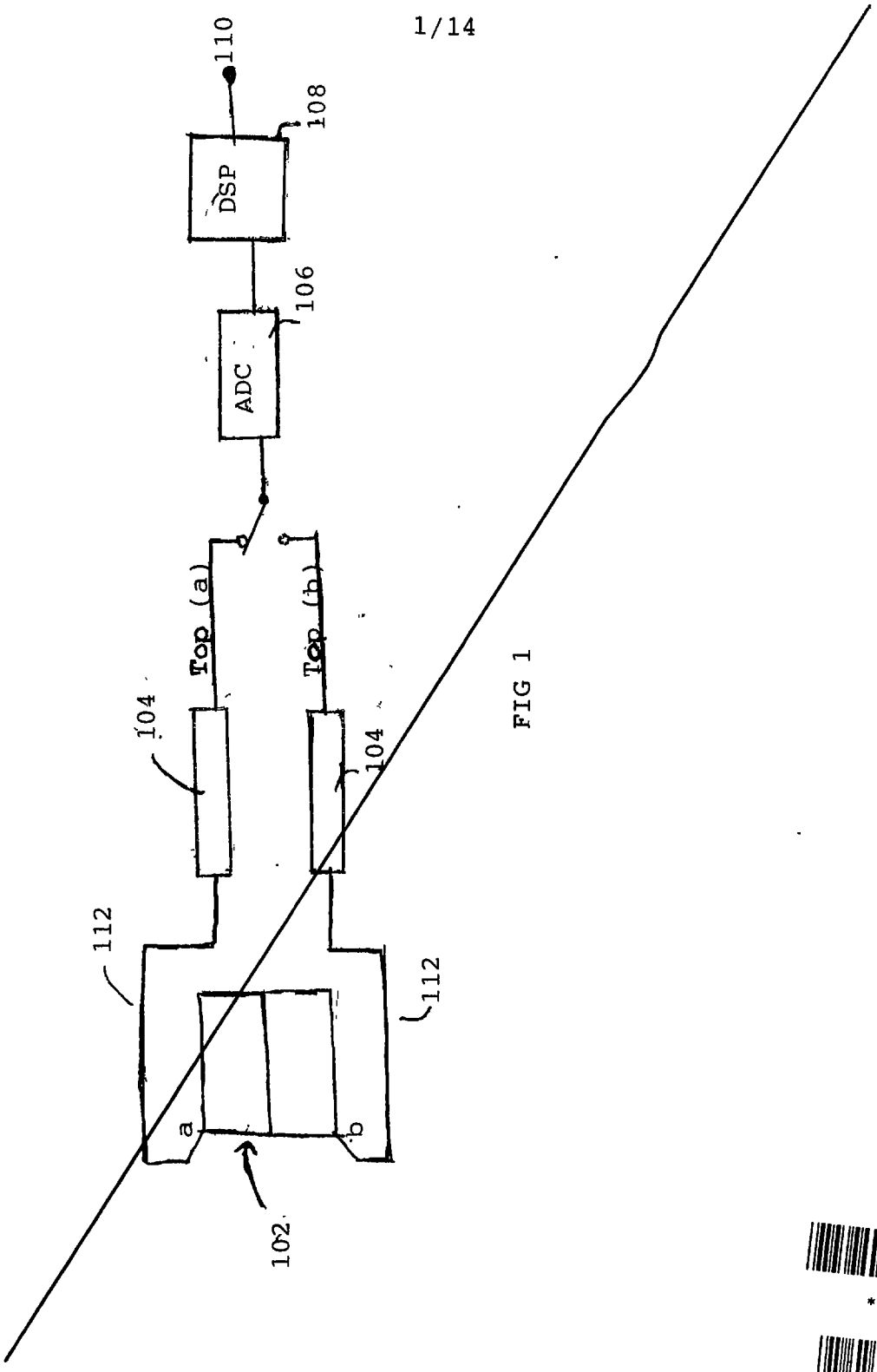


FIG 1

163163
G00002

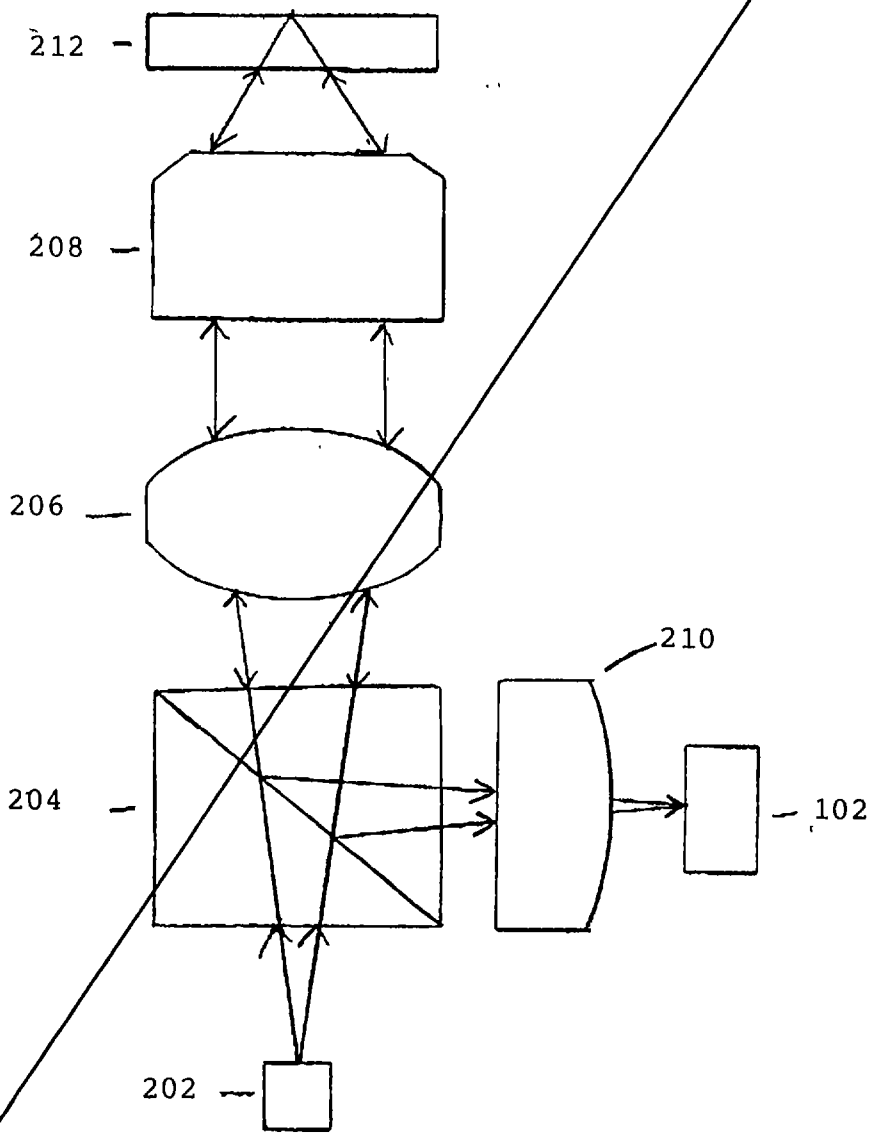


FIG 2

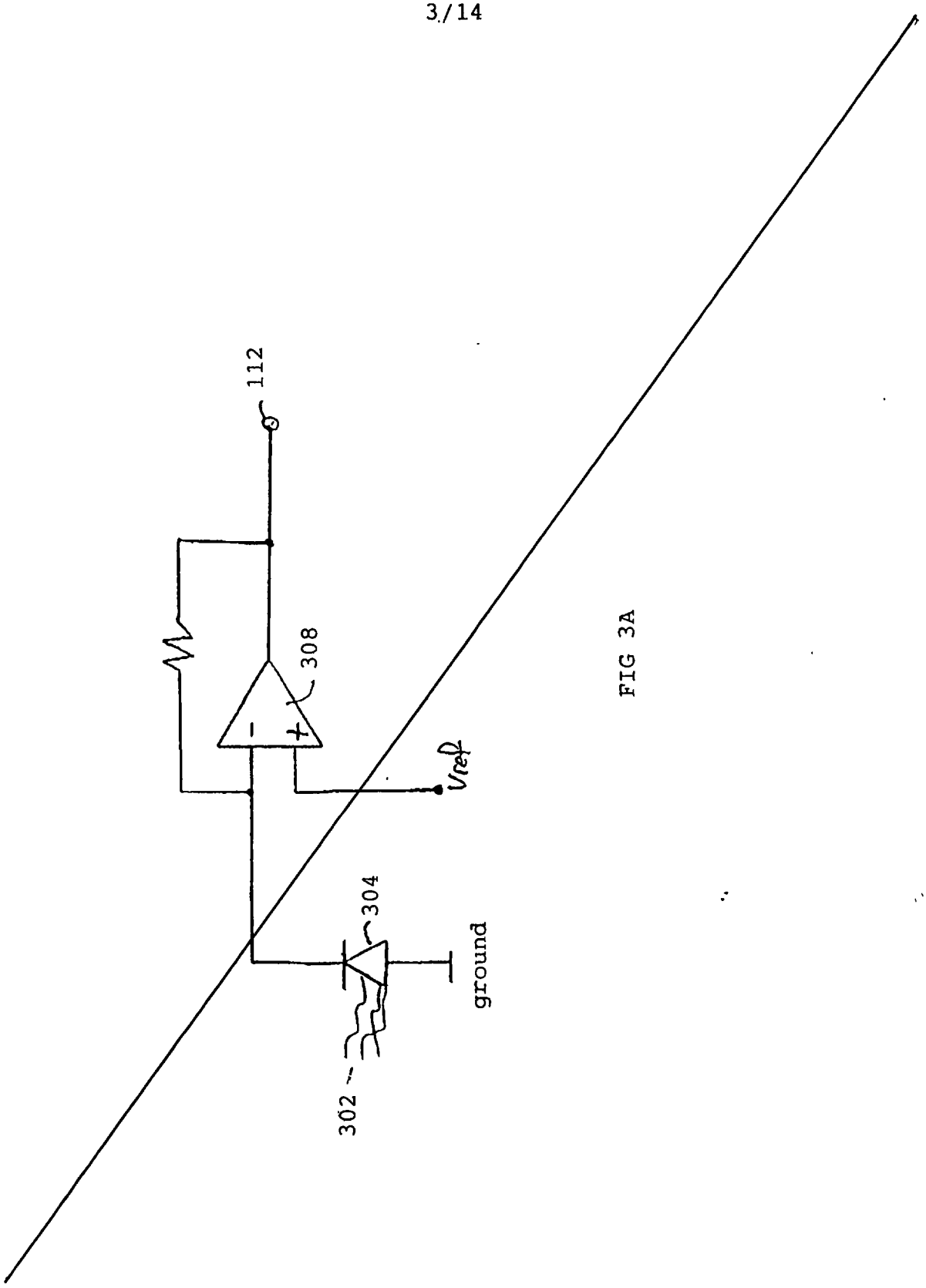


FIG 3A

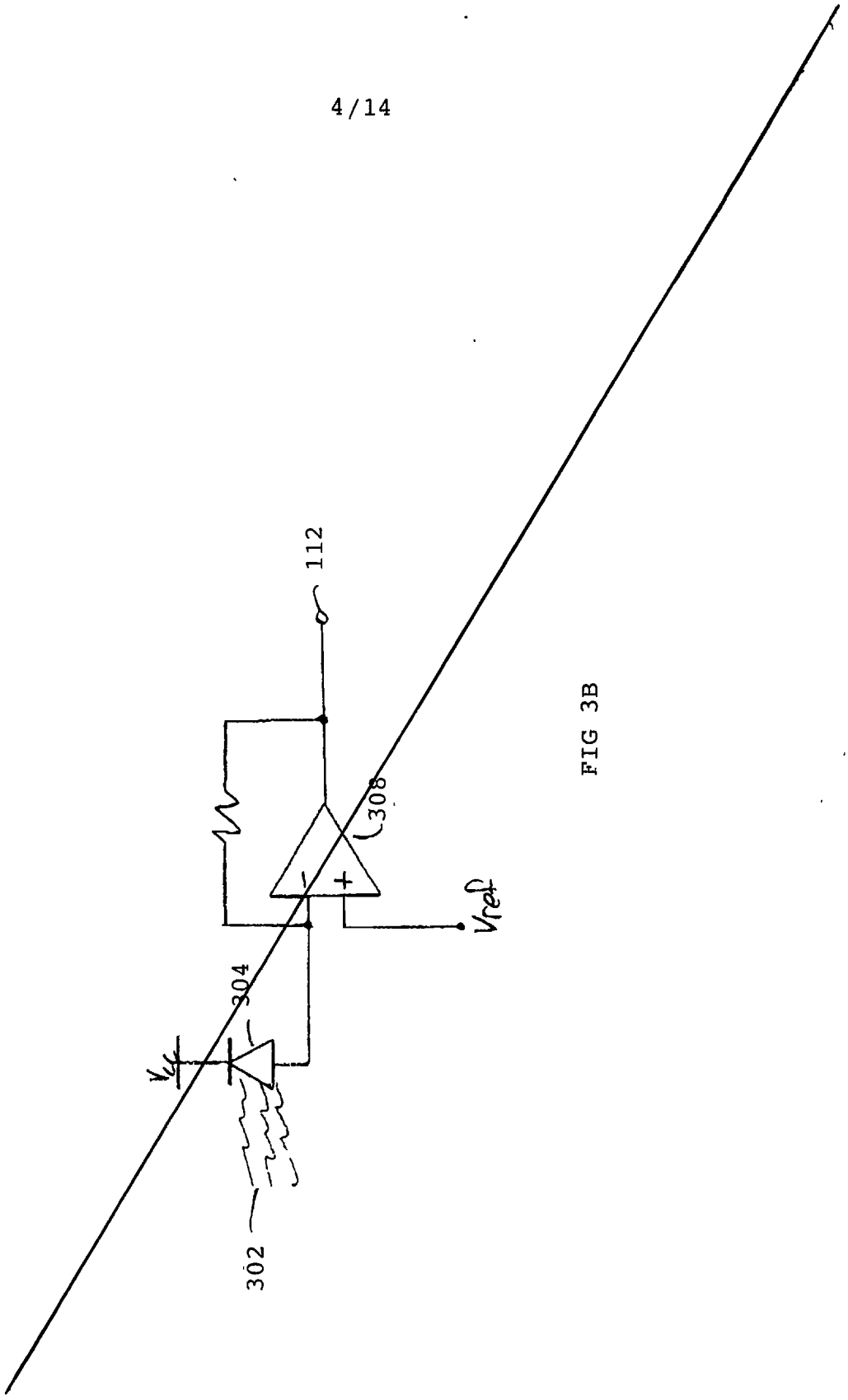


FIG 3B

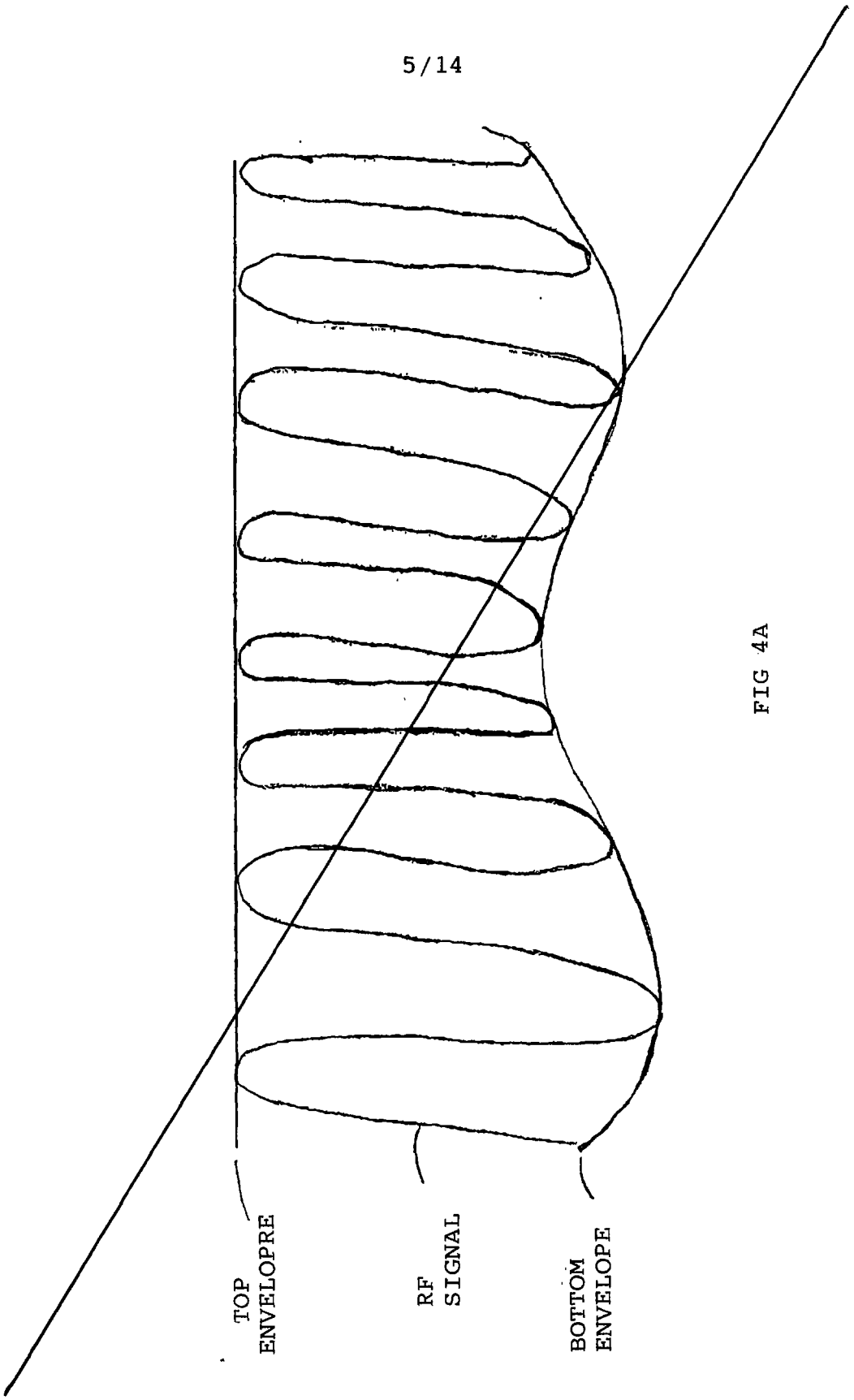


FIG 4A

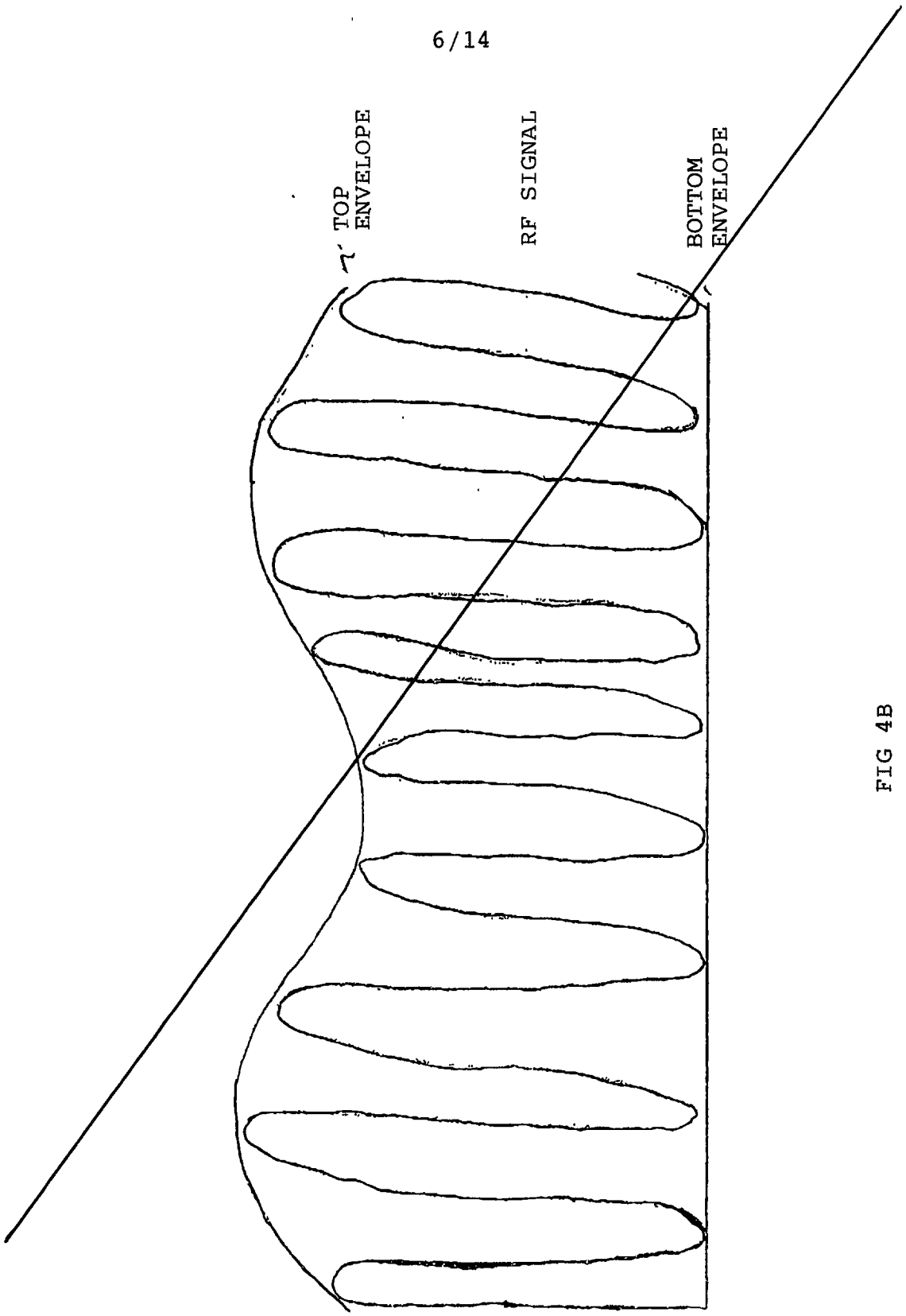


FIG 4B

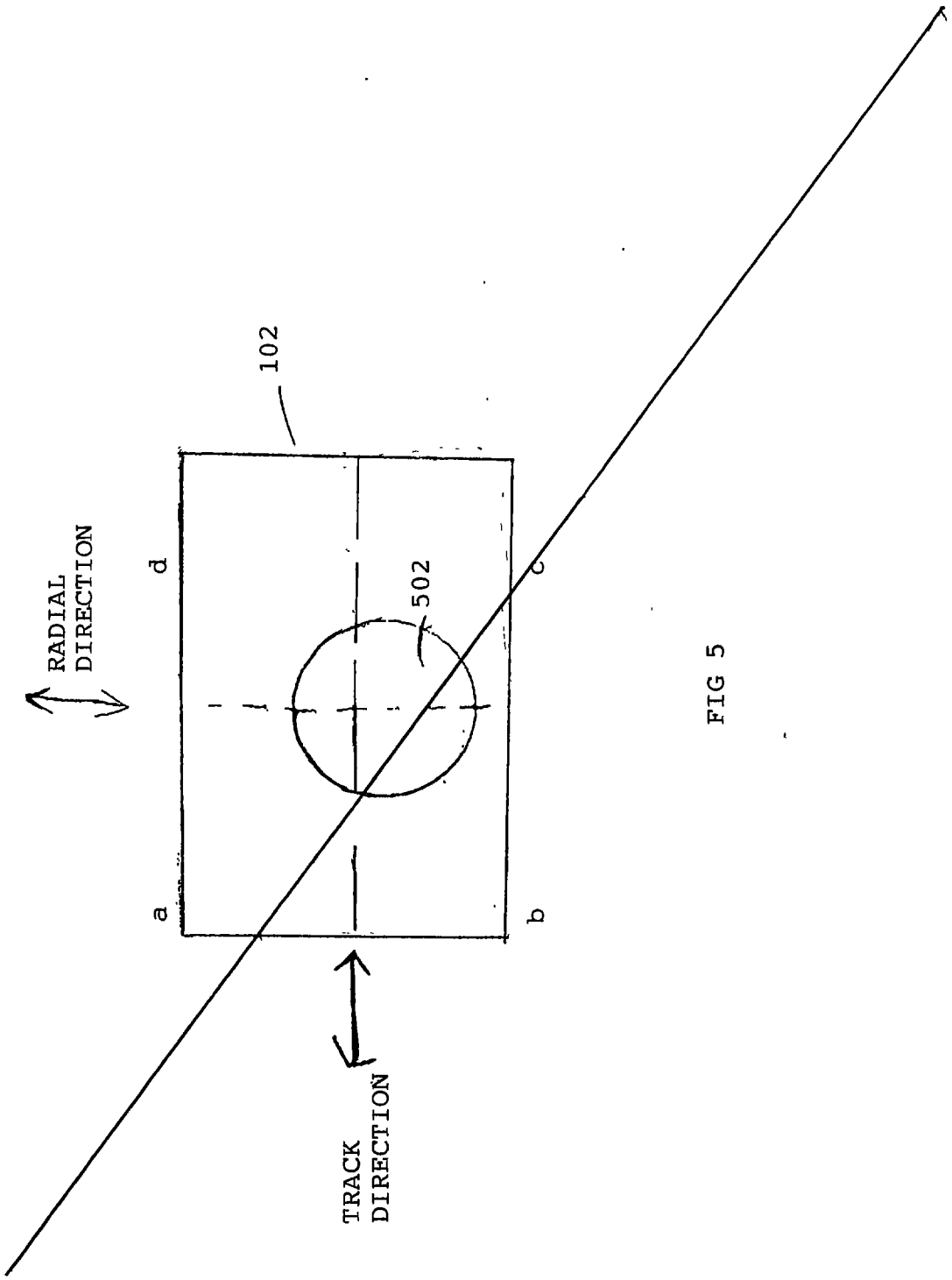


FIG 5

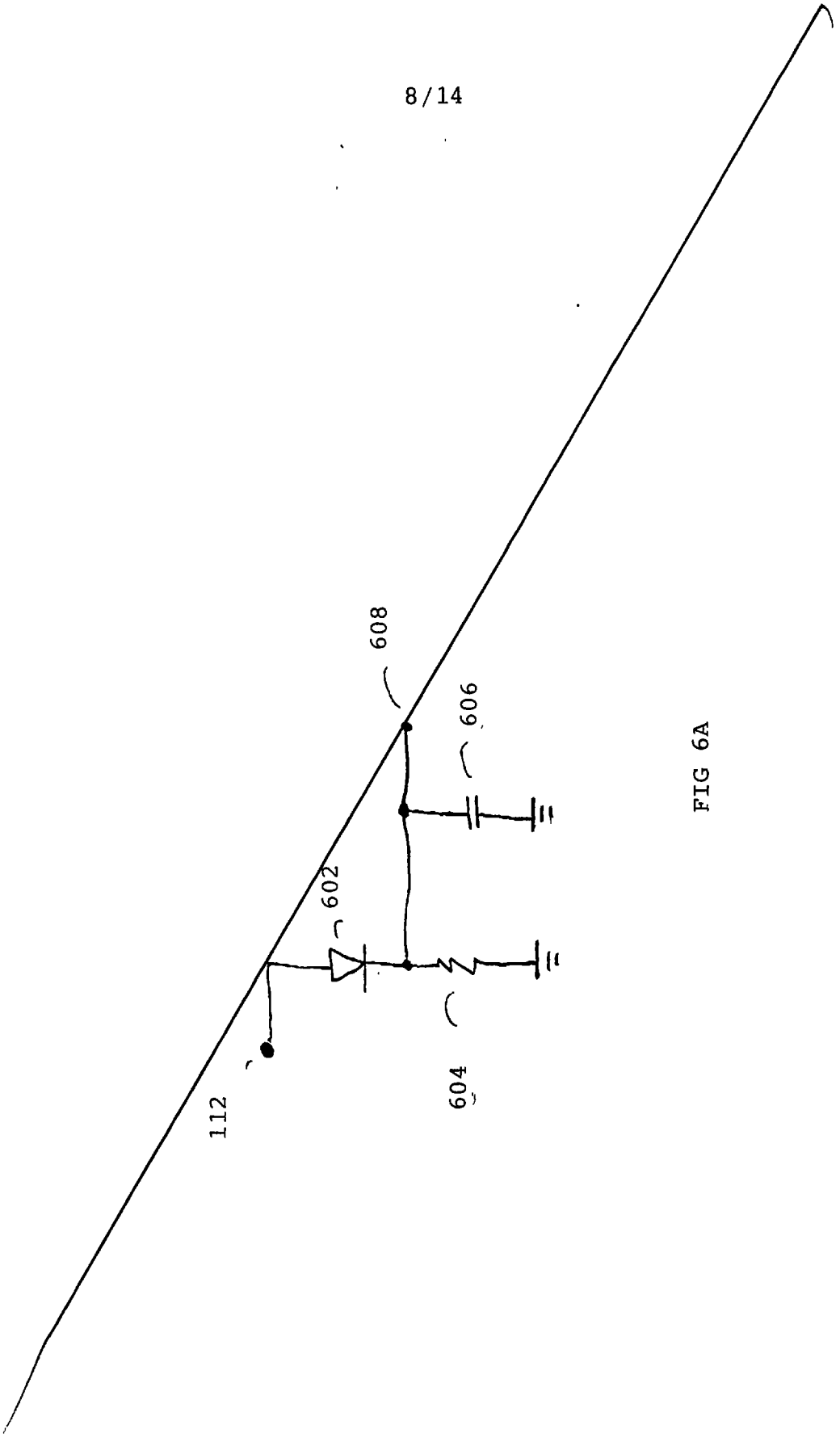


FIG 6A

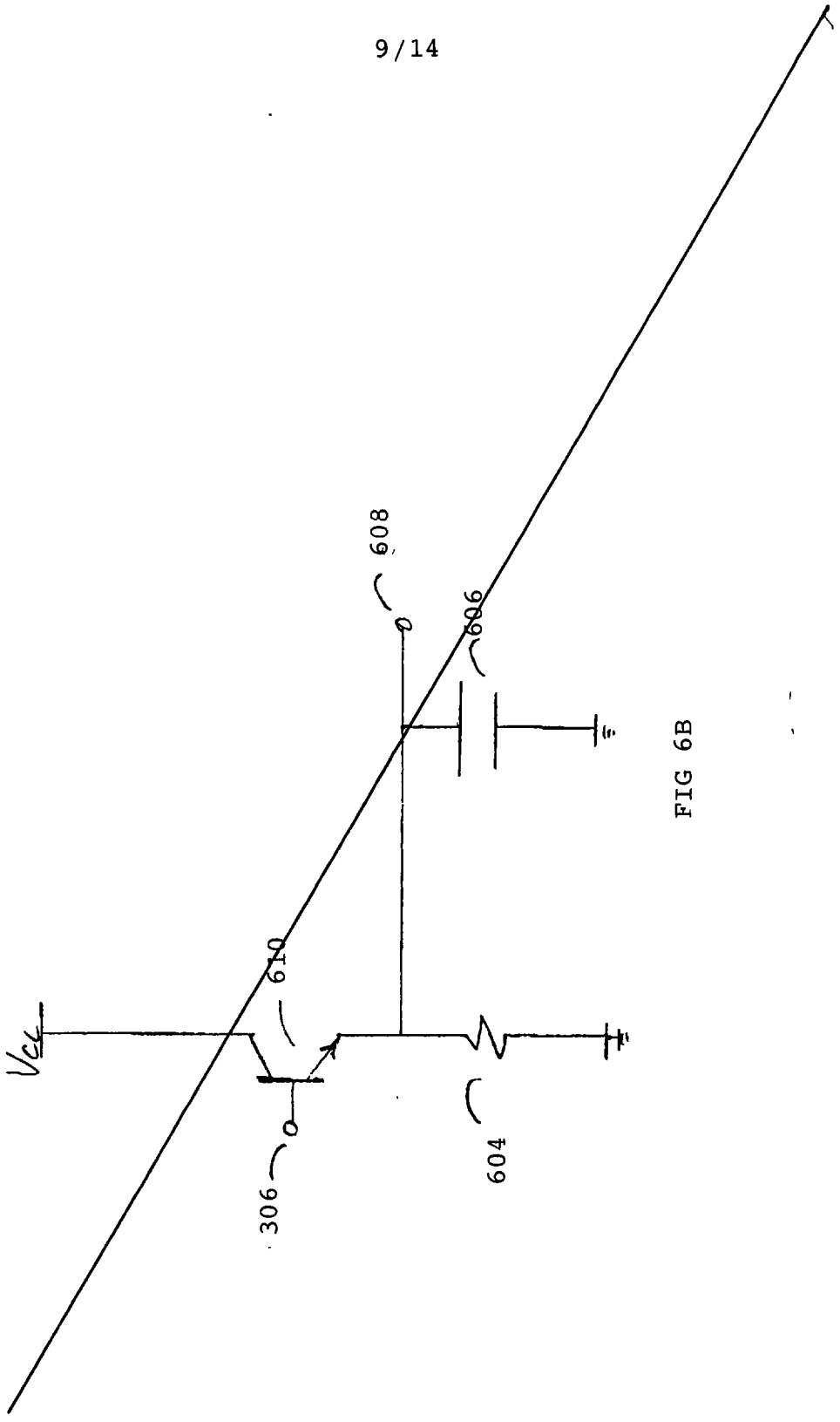


FIG 6B

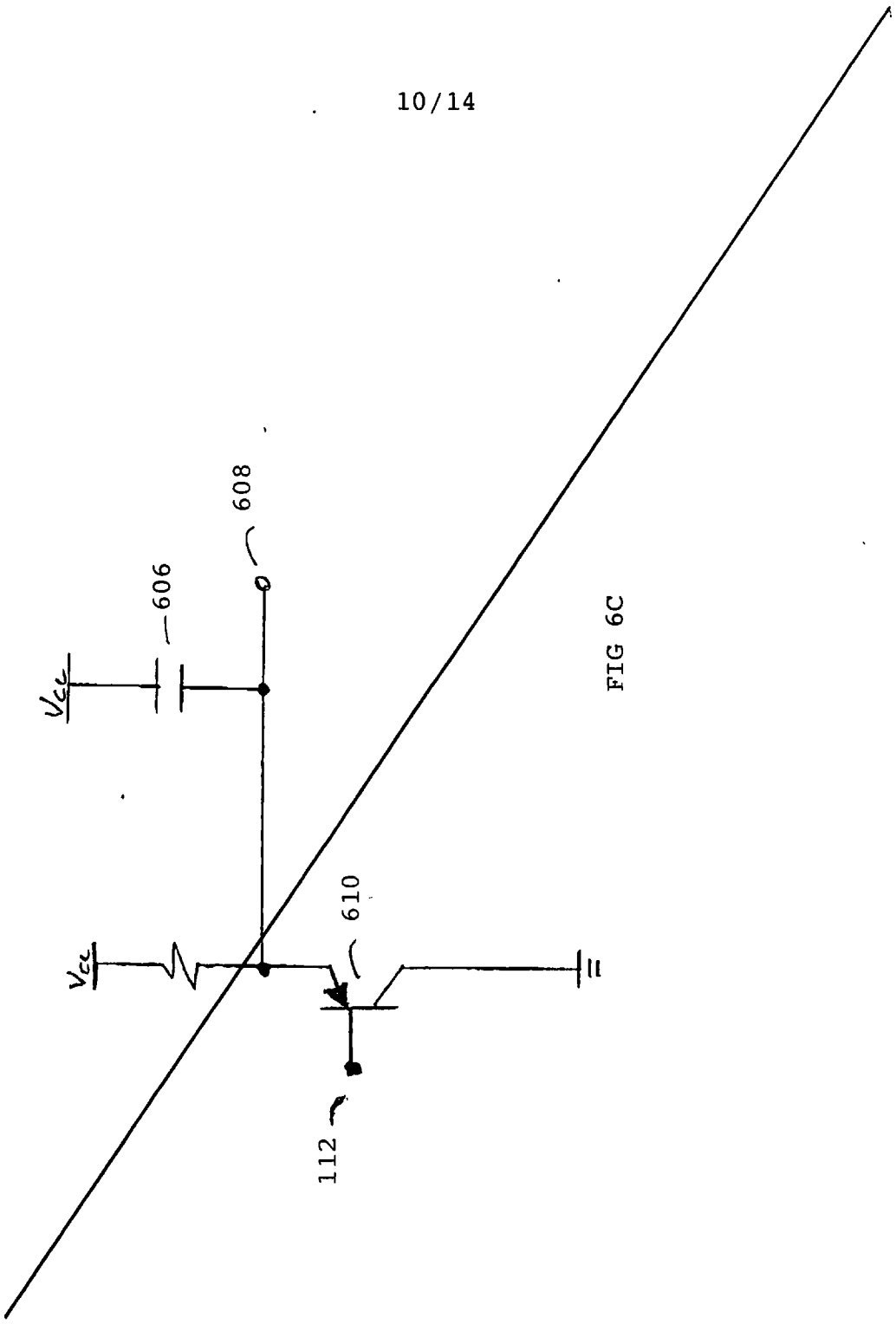


FIG 6C

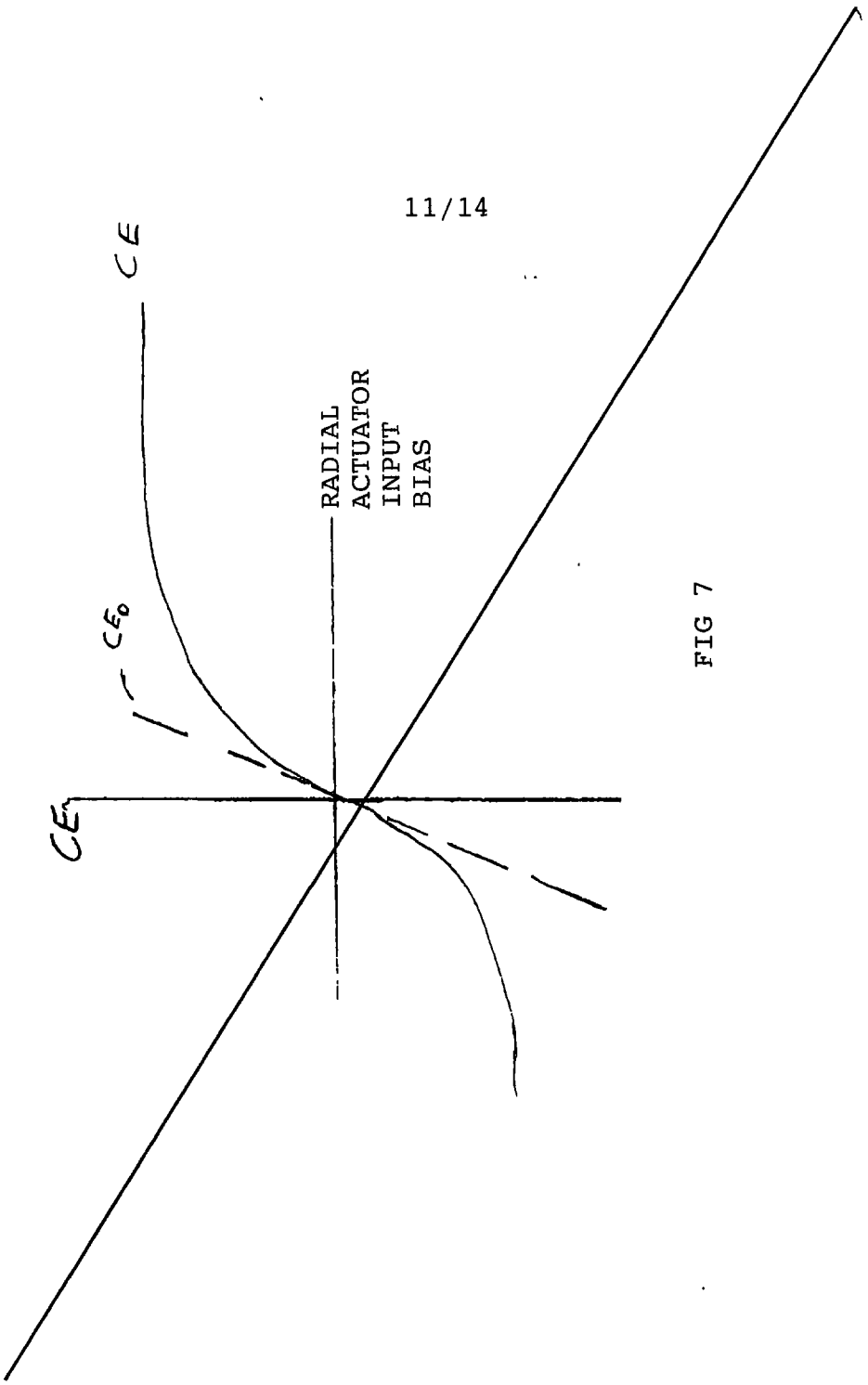


FIG 7

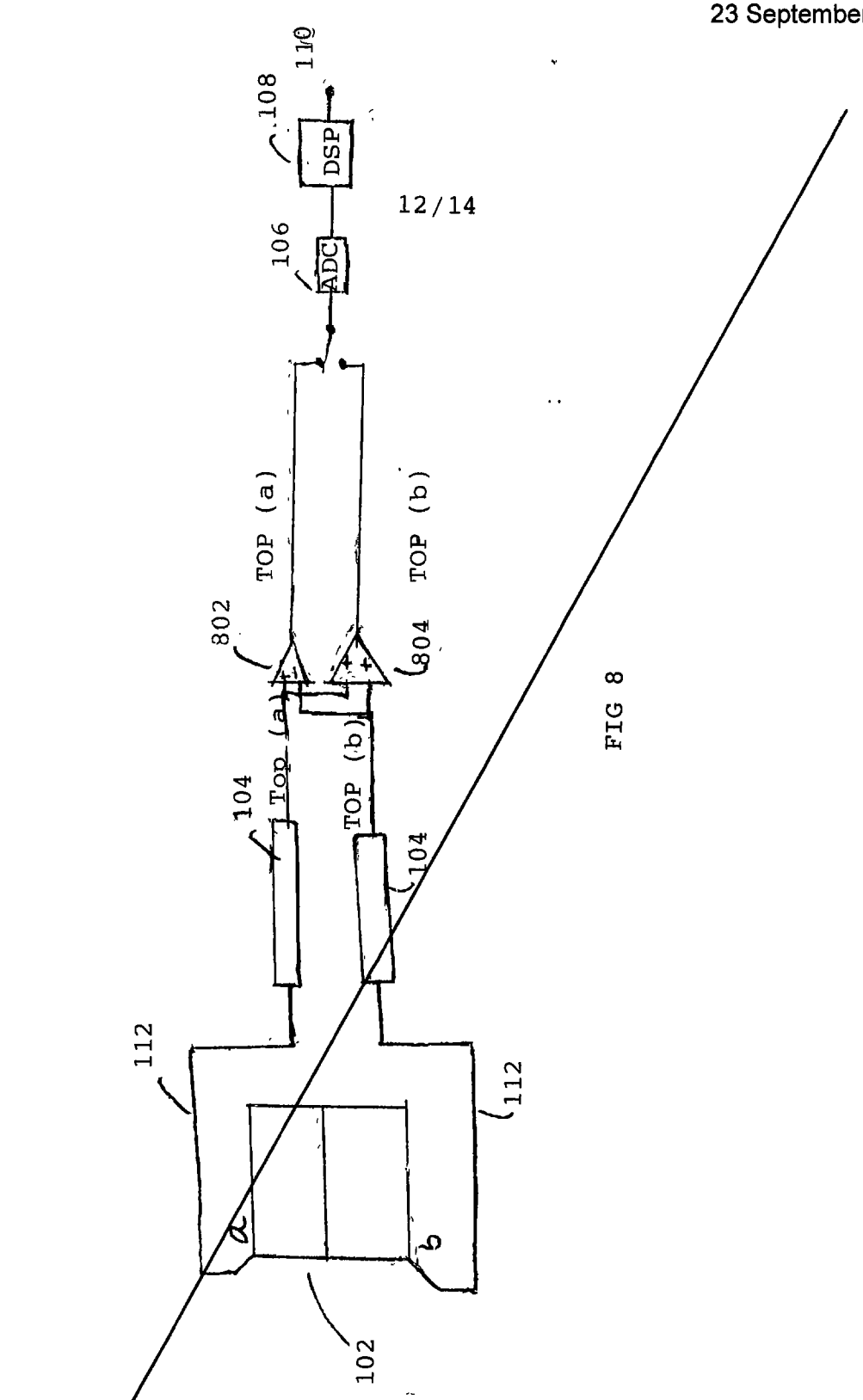

110
108
DSP
106
ADC
TOP (a)
TOP (b)
802
804
Top (a)
TOP (b)
104
104
112
112
a
b
102

FIG 8

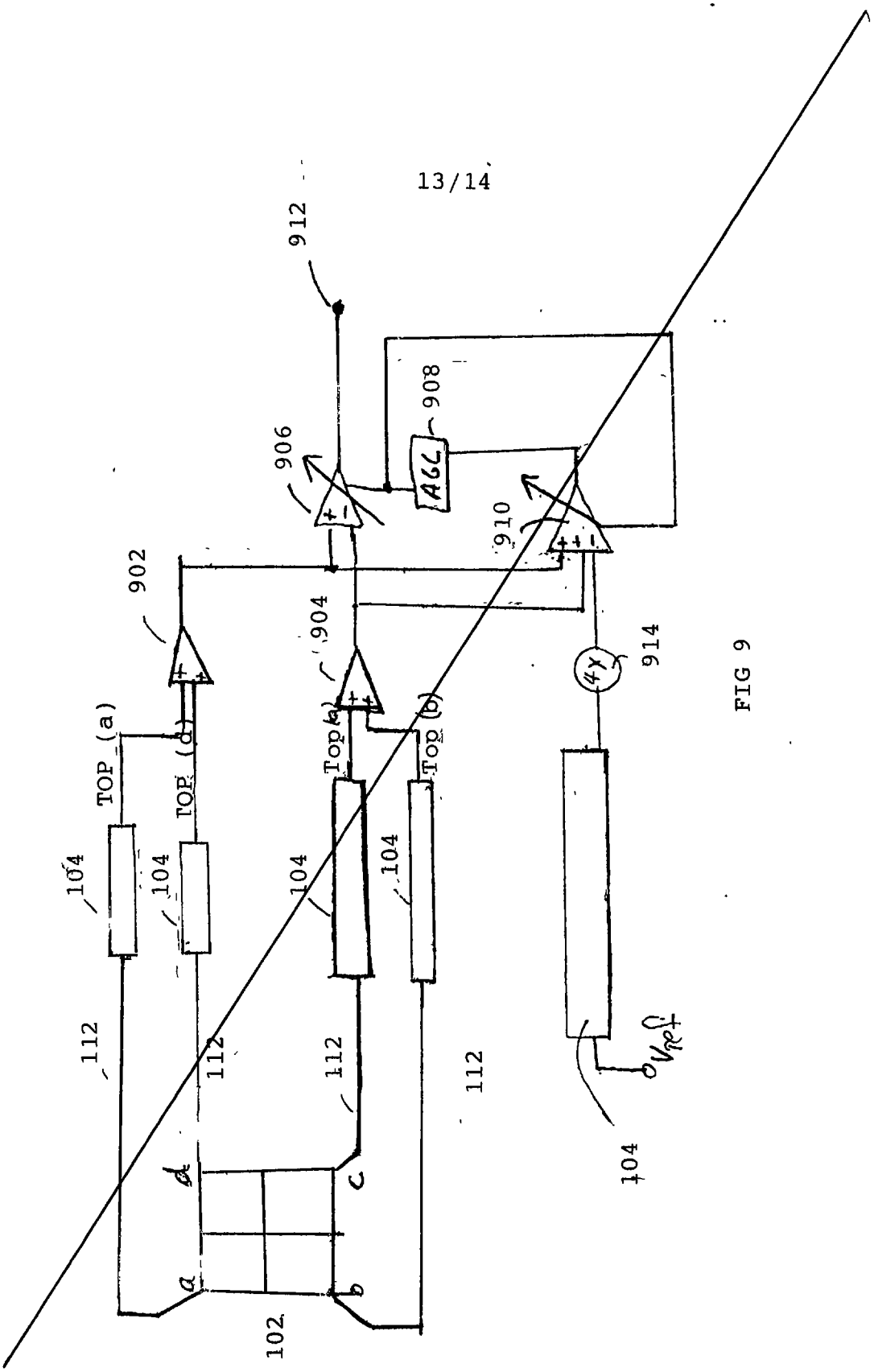

912
908
AGC
906
910
902
904
914
TOP (a)
TOP (d)
Top (c)
Top (b)
104
112
102
a
b
c
d
Vout

FIG 9

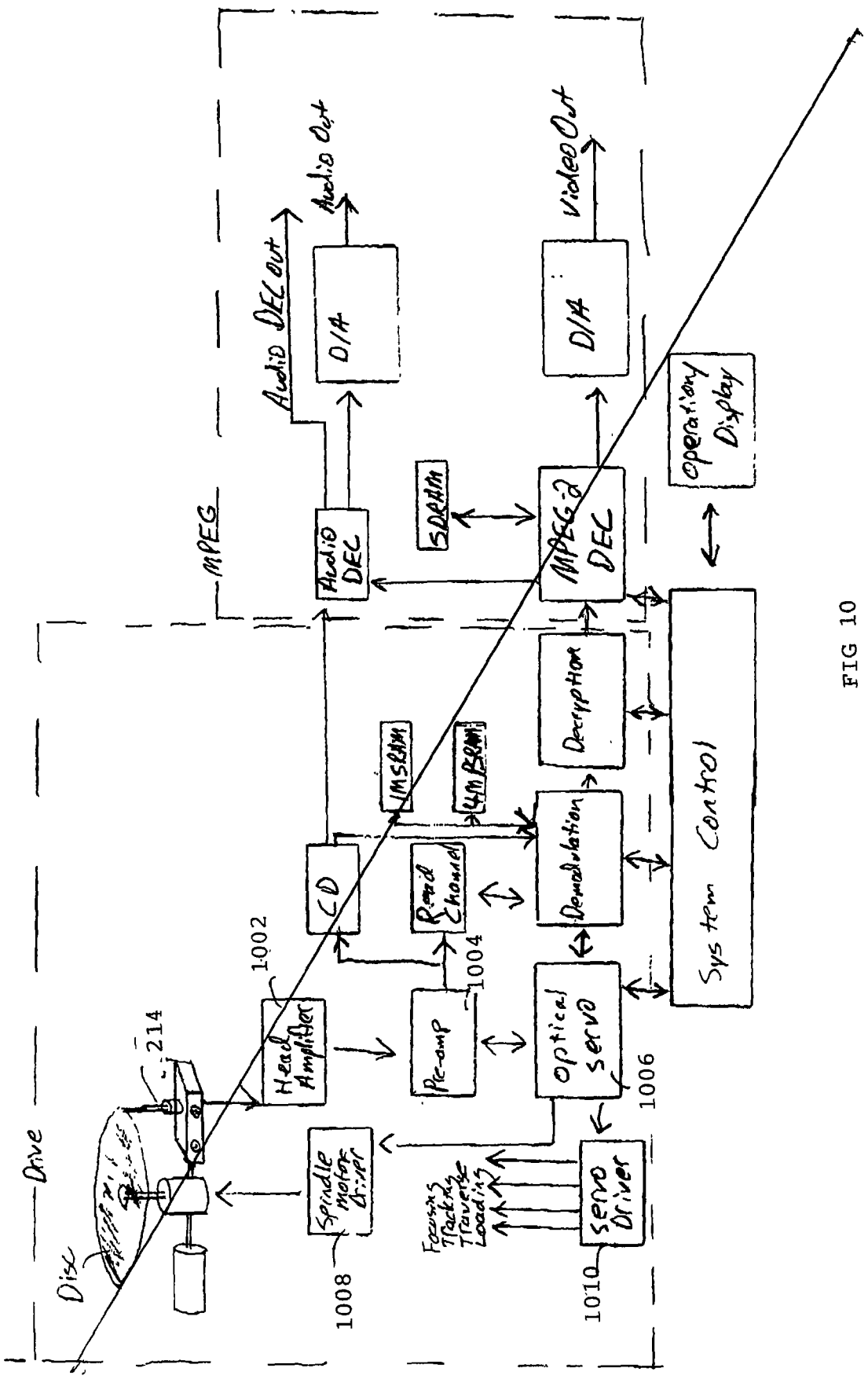

Drive
Disc
214
1002
Head Amplifier
Spindle motor Driver
1008
CD
Pre-amp
Read Channel
1004
IMSRAM
4MBSRAM
Audio DEC
MPEG
Audio DEC out
D/A
Audio Out
SDRAM
MPEG-2 DEC
Video Out
D/A
Operation Display
Decryption
Demodulation
optical servo
1006
Focusing Tracking Traverse Loading
Servo Driver
1010
System Control

FIG 10