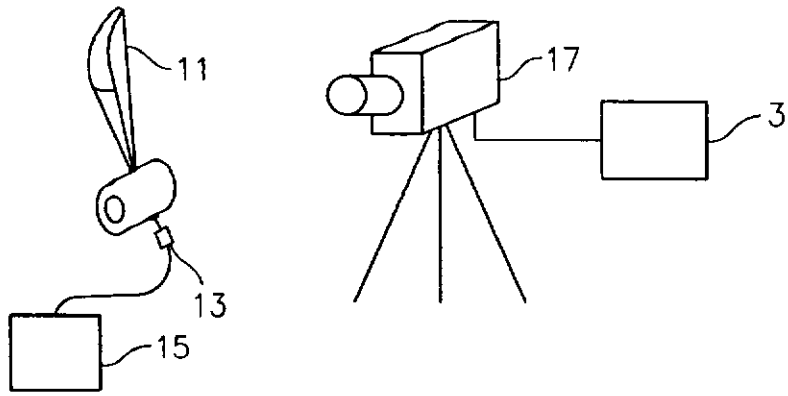



*FIG. 1*

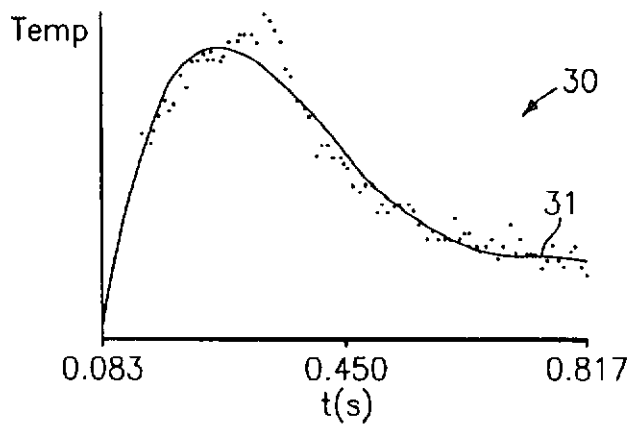



*FIG. 3*

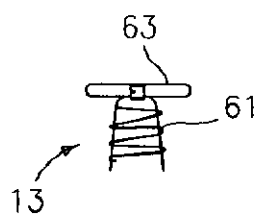



*FIG. 6A*

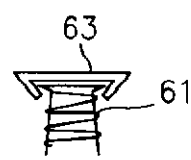



*FIG. 6B*

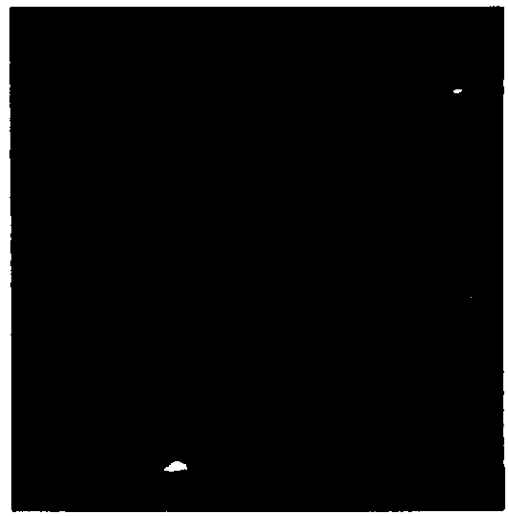


*FIG. 2*

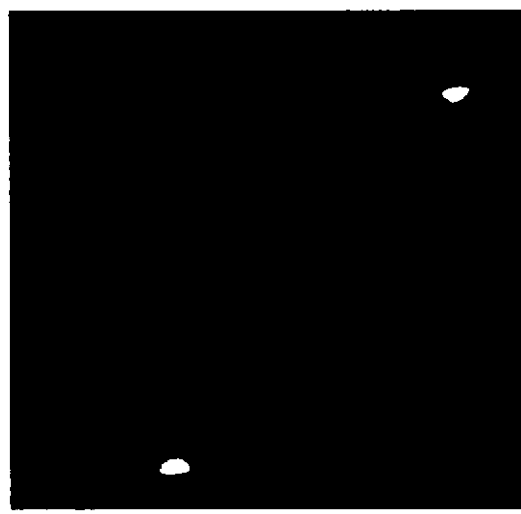



*FIG. 4*

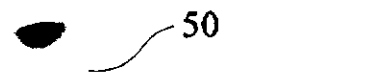





*FIG. 5*

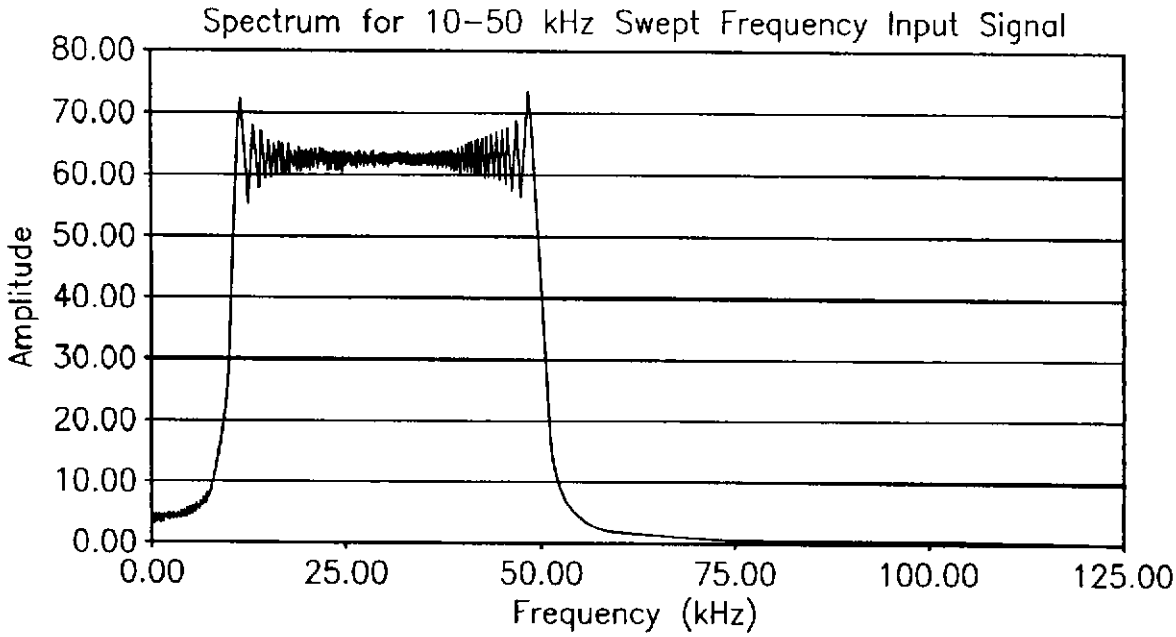

Spectrum for 10–50 kHz Swept Frequency Input Signal
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Amplitude
0.00
25.00
50.00
75.00
100.00
125.00
Frequency (kHz)

*FIG. 7A*

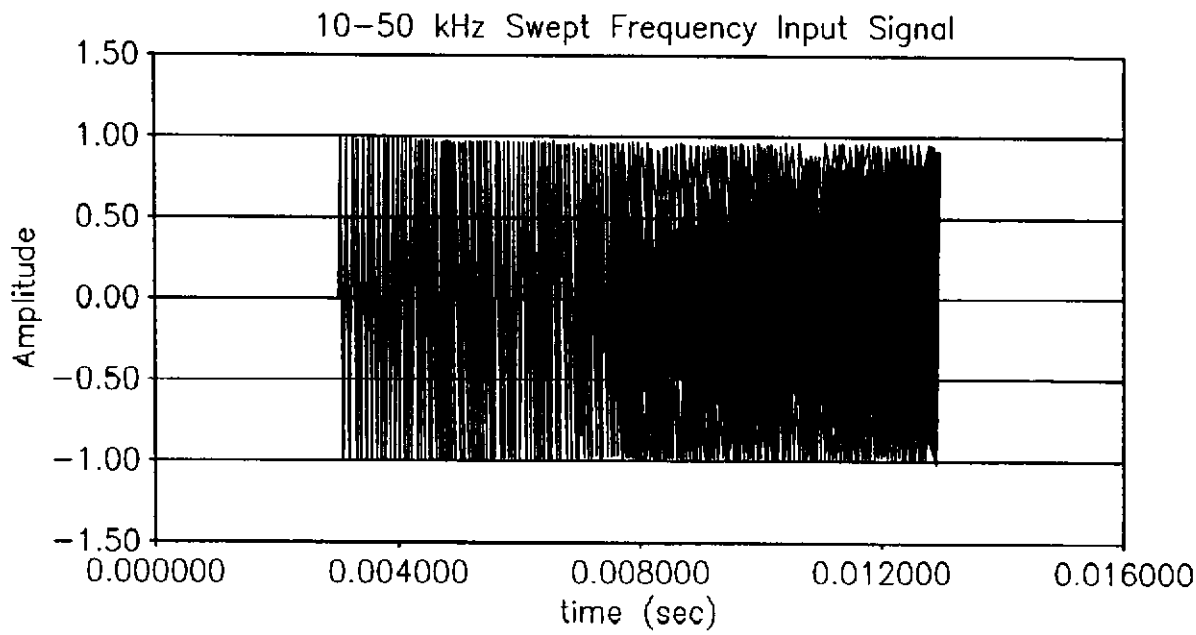

10–50 kHz Swept Frequency Input Signal
1.50
1.00
0.50
0.00
−0.50
−1.00
−1.50
Amplitude
0.000000
0.004000
0.008000
0.012000
0.016000
time (sec)

*FIG. 7B*

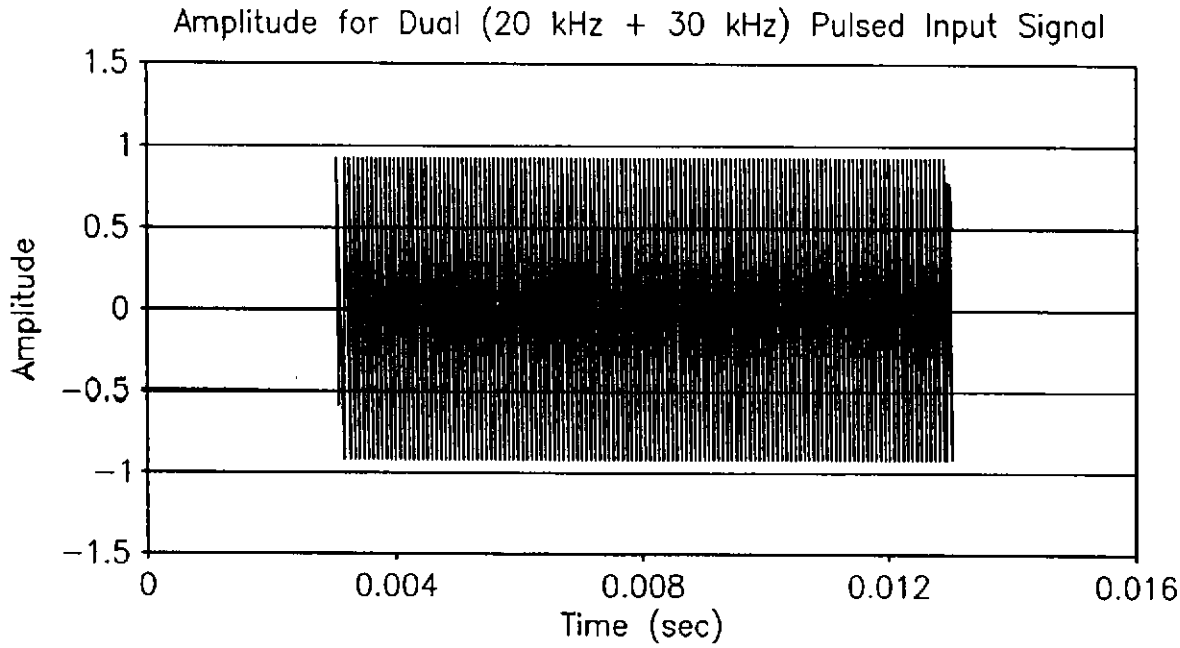

Amplitude for Dual (20 kHz + 30 kHz) Pulsed Input Signal
1.5
1
0.5
0
−0.5
−1
−1.5
Amplitude
0
0.004
0.008
0.012
0.016
Time (sec)

*FIG. 8A*

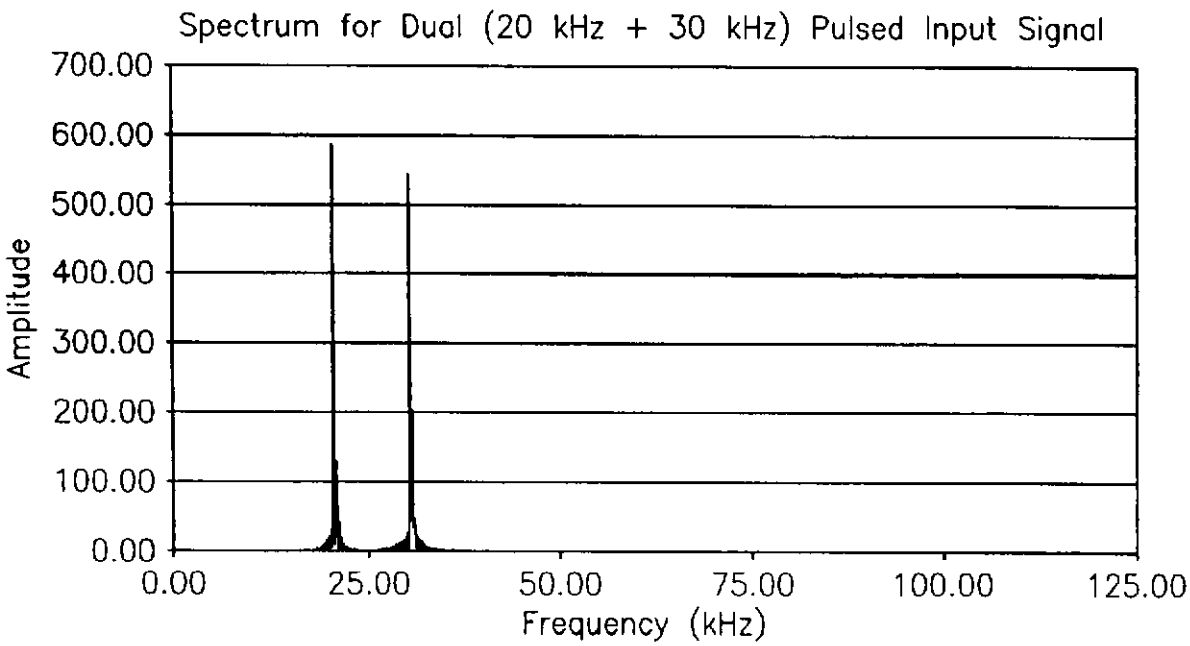

Spectrum for Dual (20 kHz + 30 kHz) Pulsed Input Signal
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
Amplitude
0.00
25.00
50.00
75.00
100.00
125.00
Frequency (kHz)

*FIG. 8B*