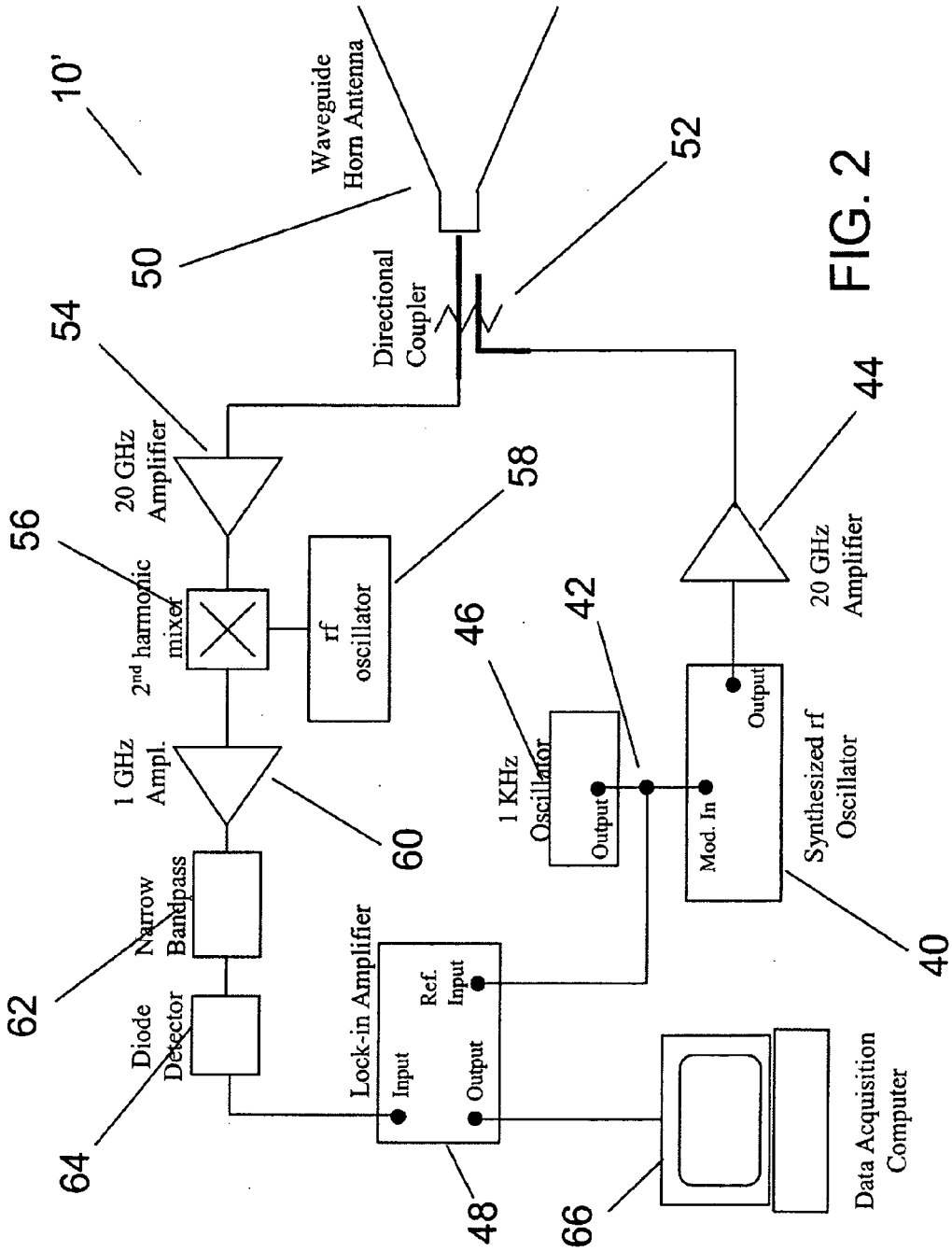
10'
Waveguide Horn Antenna
50
52
Directional Coupler
54
20 GHz Amplifier
56
2nd harmonic mixer
rf oscillator
58
1 GHz Ampl.
60
Narrow Bandpass
62
Diode Detector
64
Lock-in Amplifier
Input
Output
Ref. Input
48
1 KHz Oscillator
Output
46
42
Mod. In
Output
Synthesized rf Oscillator
40
20 GHz Amplifier
44
66
Data Acquisition Computer

FIG. 2