

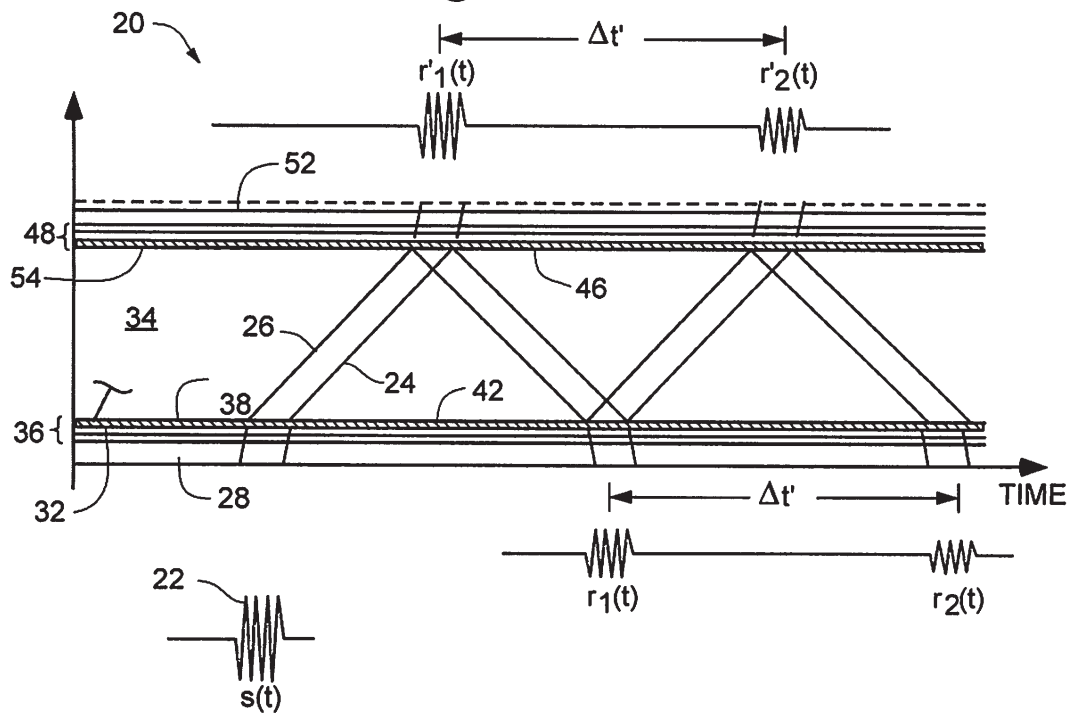
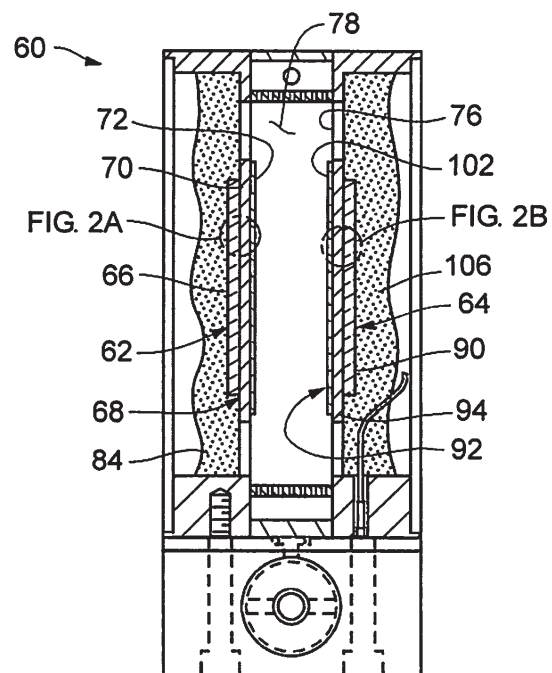
Fig. 1**Fig. 2**
Prior Art

Fig. 2A

Prior Art

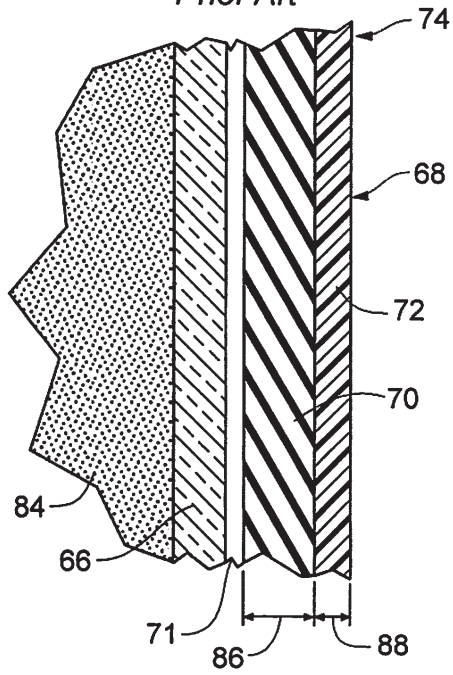


Fig. 2B

Prior Art

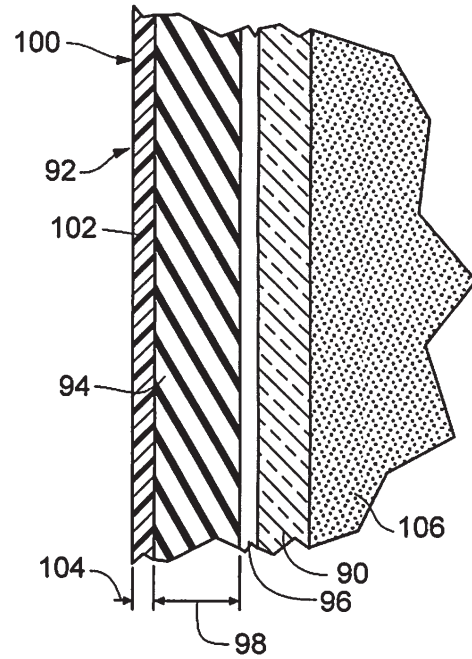


Fig. 5A

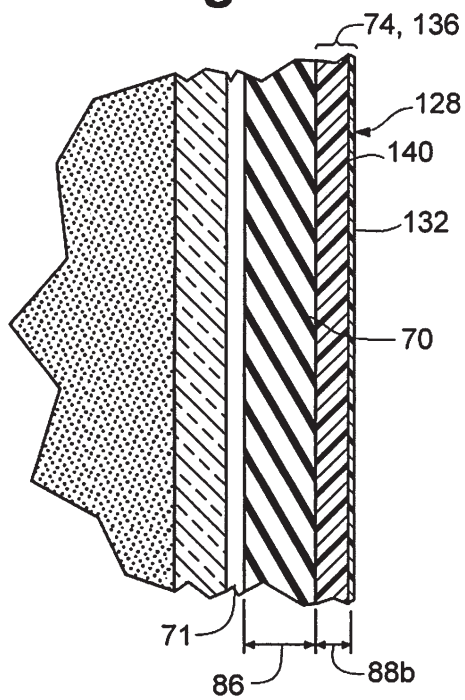


Fig. 5B

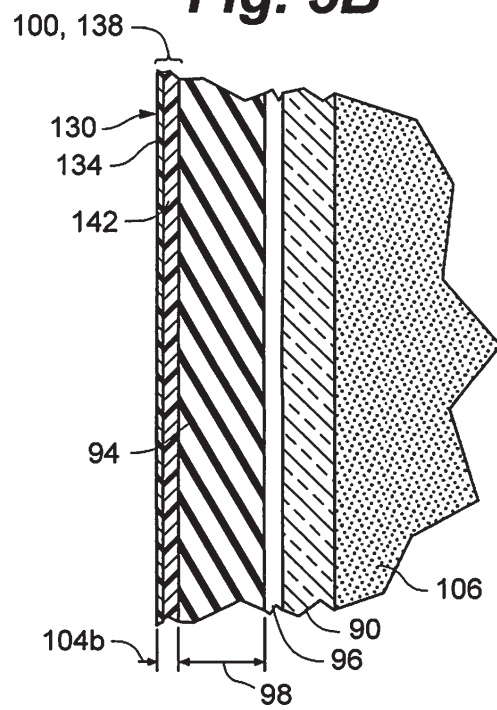


Fig. 3

The diagram illustrates a transmitter-receiver system, labeled 110. The transmitter 62 (left) consists of a DAMPER (T17 84), PIEZOCERAMIC (T6 66), GLUE (T13 71), SS 316L (T14 70), and POLYIMIDE (T15 72) layers. It includes various LOSSY components and a 350 ohm resistor R8. The receiver 64 (right) consists of a POLYIMIDE (T18 102), SS 316L (T20 94), GLUE (T21 96), PIEZOCERAMIC (T22 90), and DAMPER (T19 106) layers, also including various LOSSY components and a 350 ohm resistor R8. The system is powered by a 3.87nF capacitor C8 and a 1nF capacitor C9, and includes a 3.87nF capacitor C7 and a 3.87nF capacitor C8. The output is VOUT.

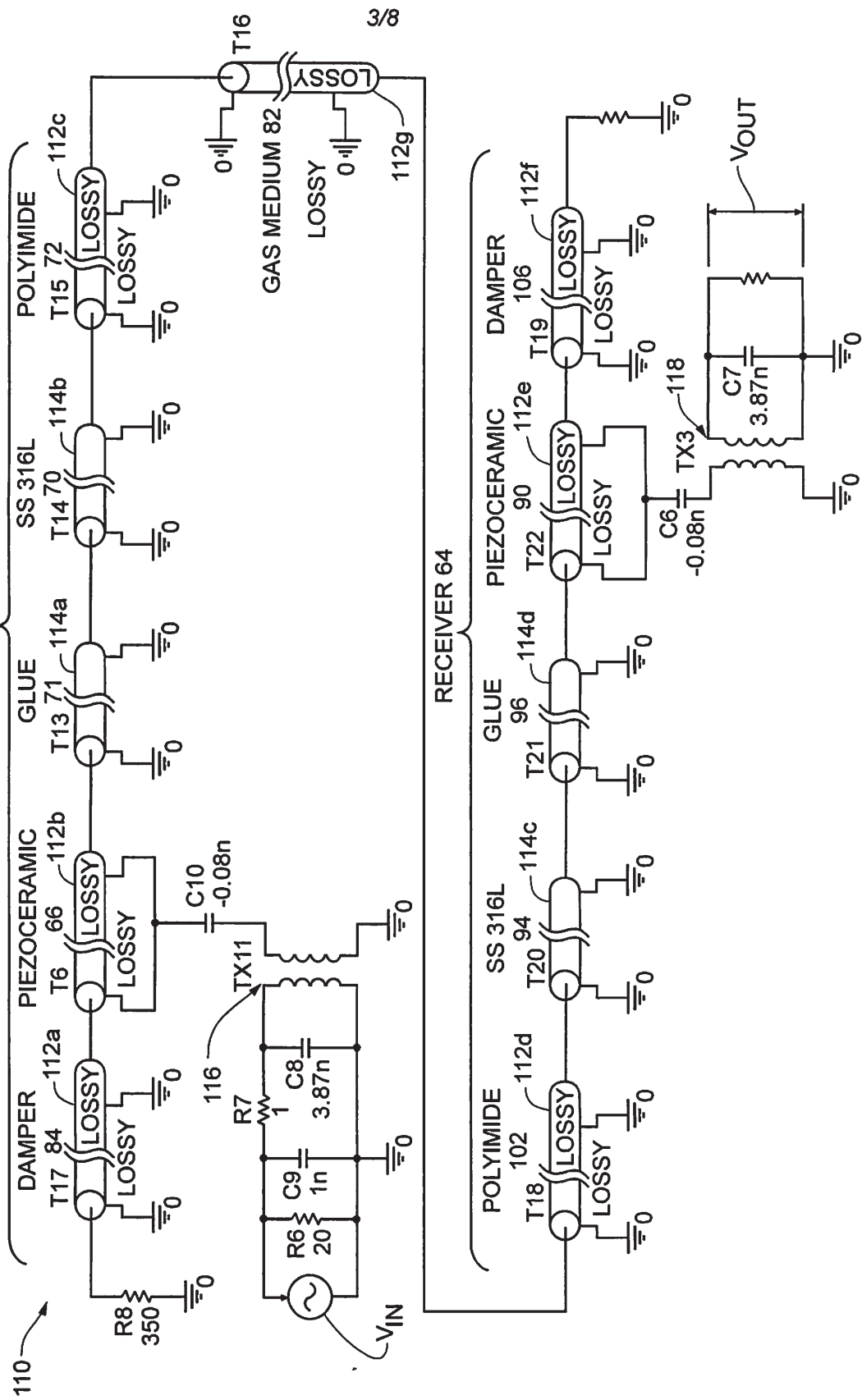


Fig. 4

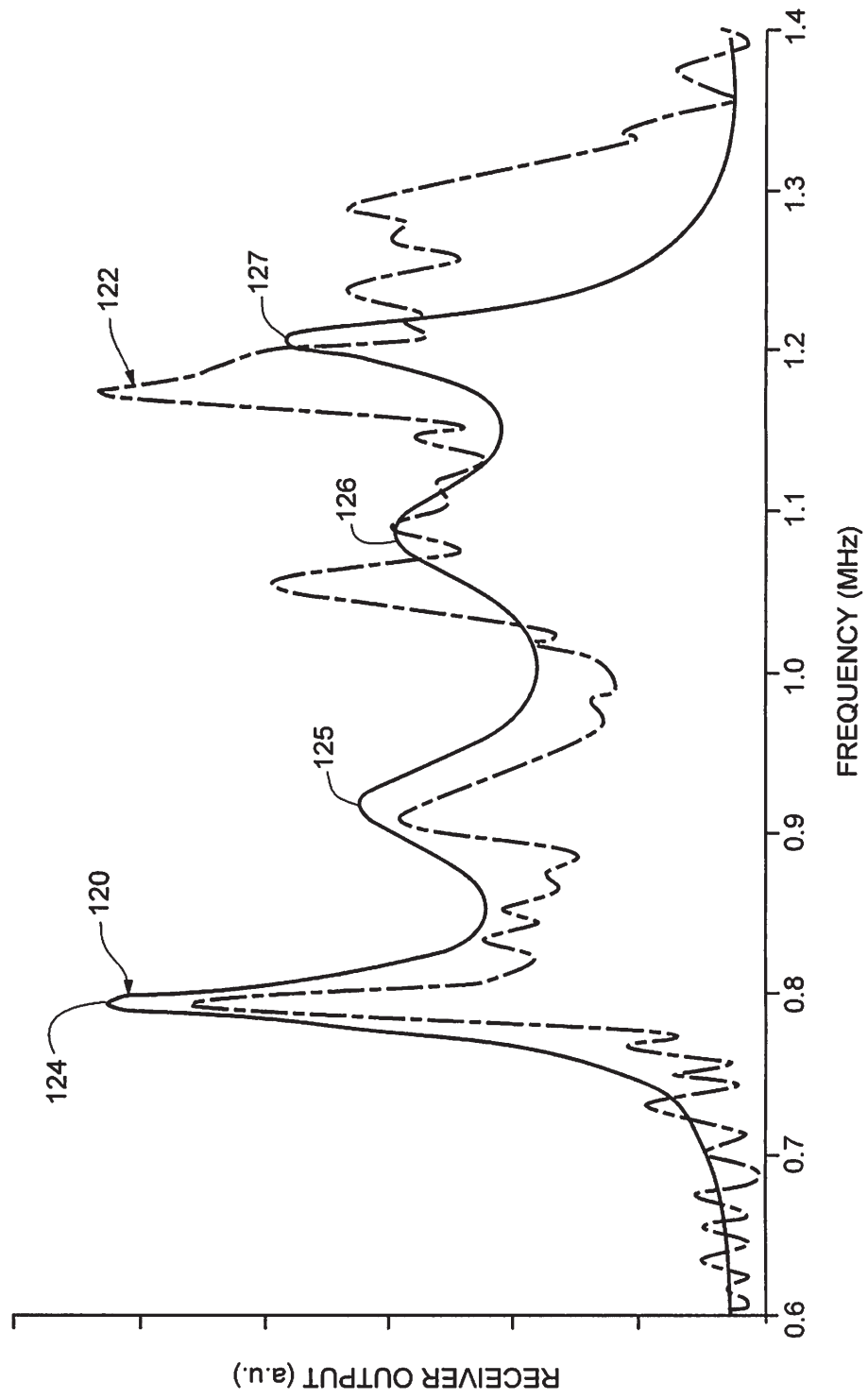


Fig. 6

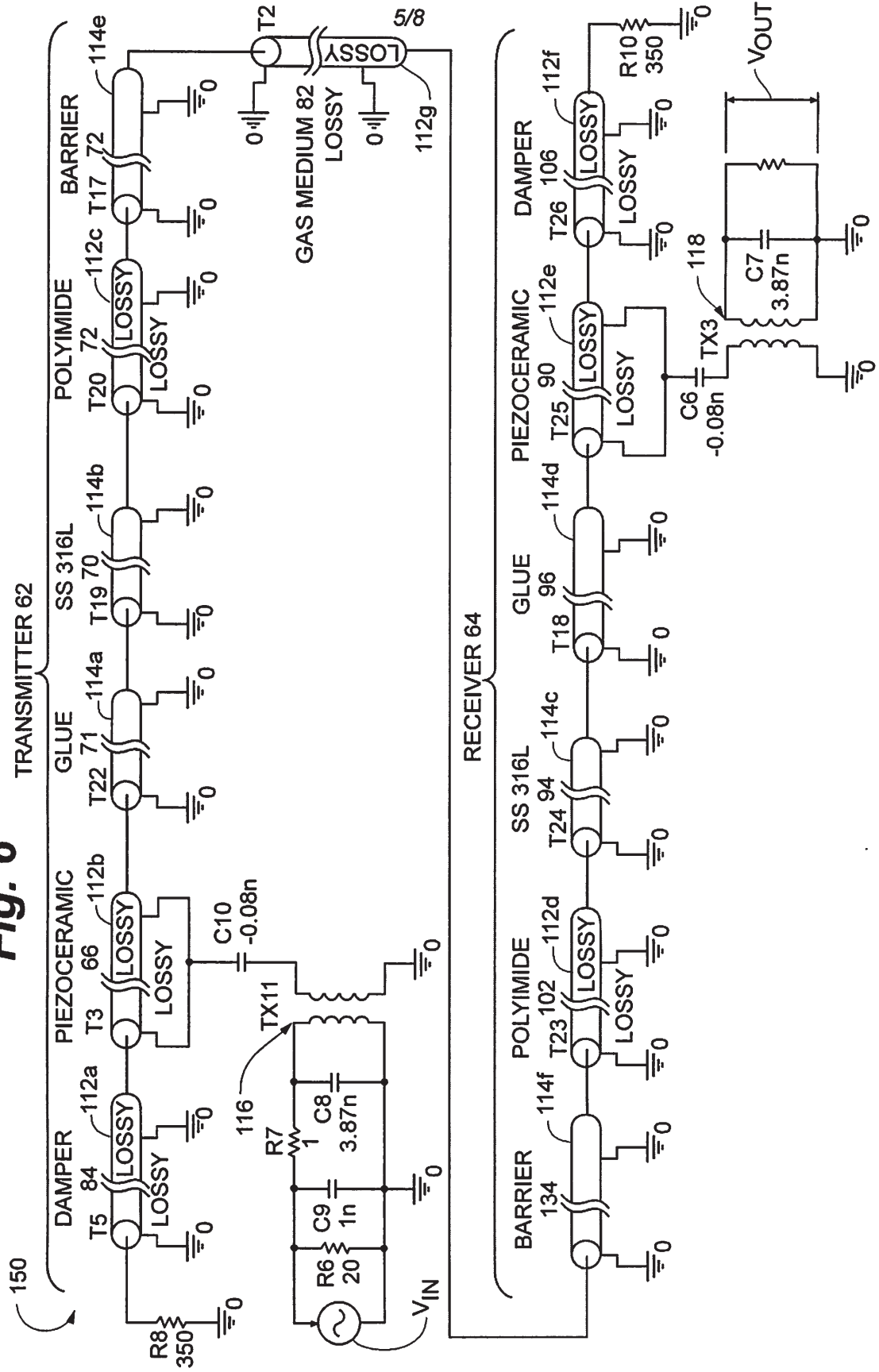
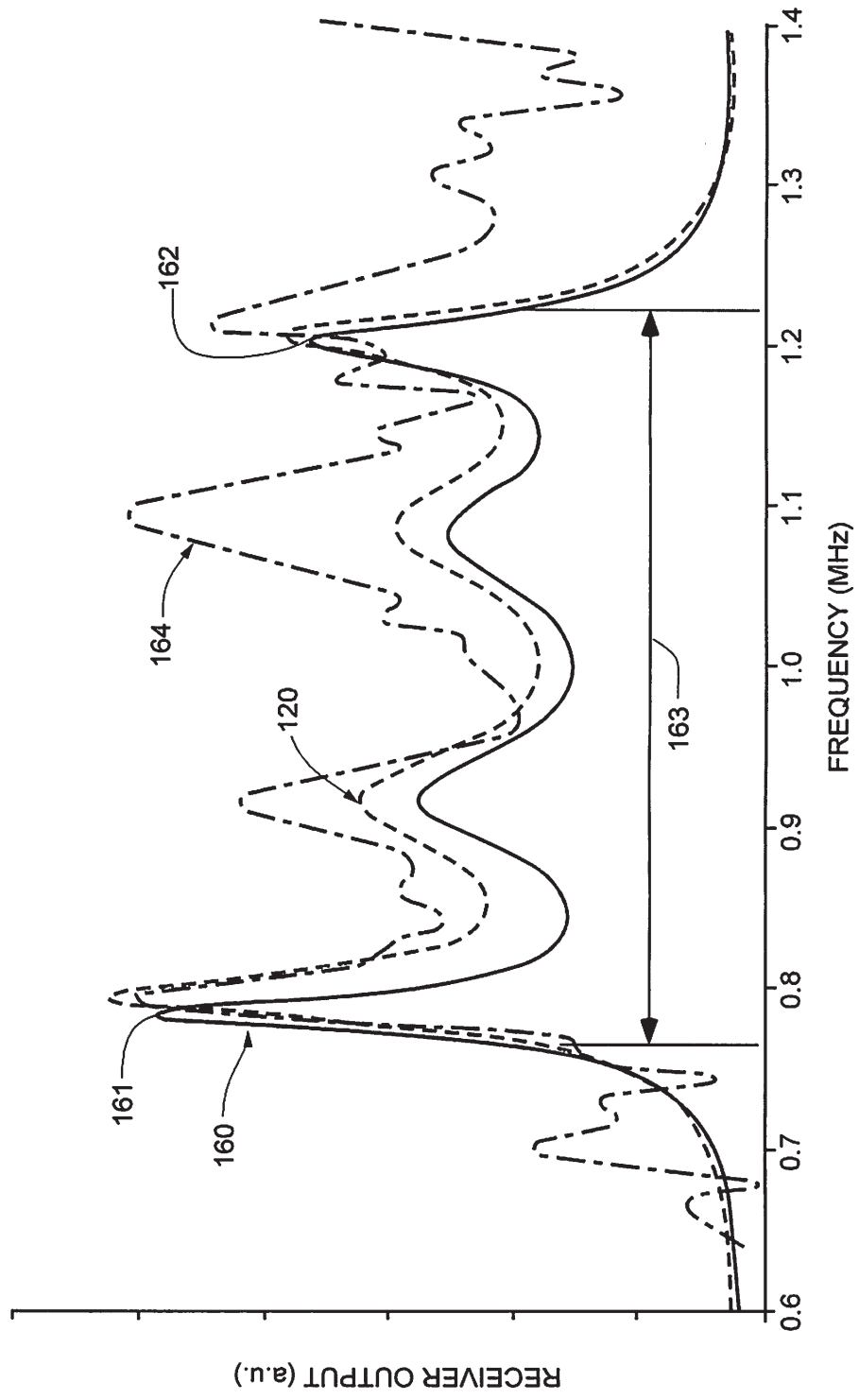


Fig. 7

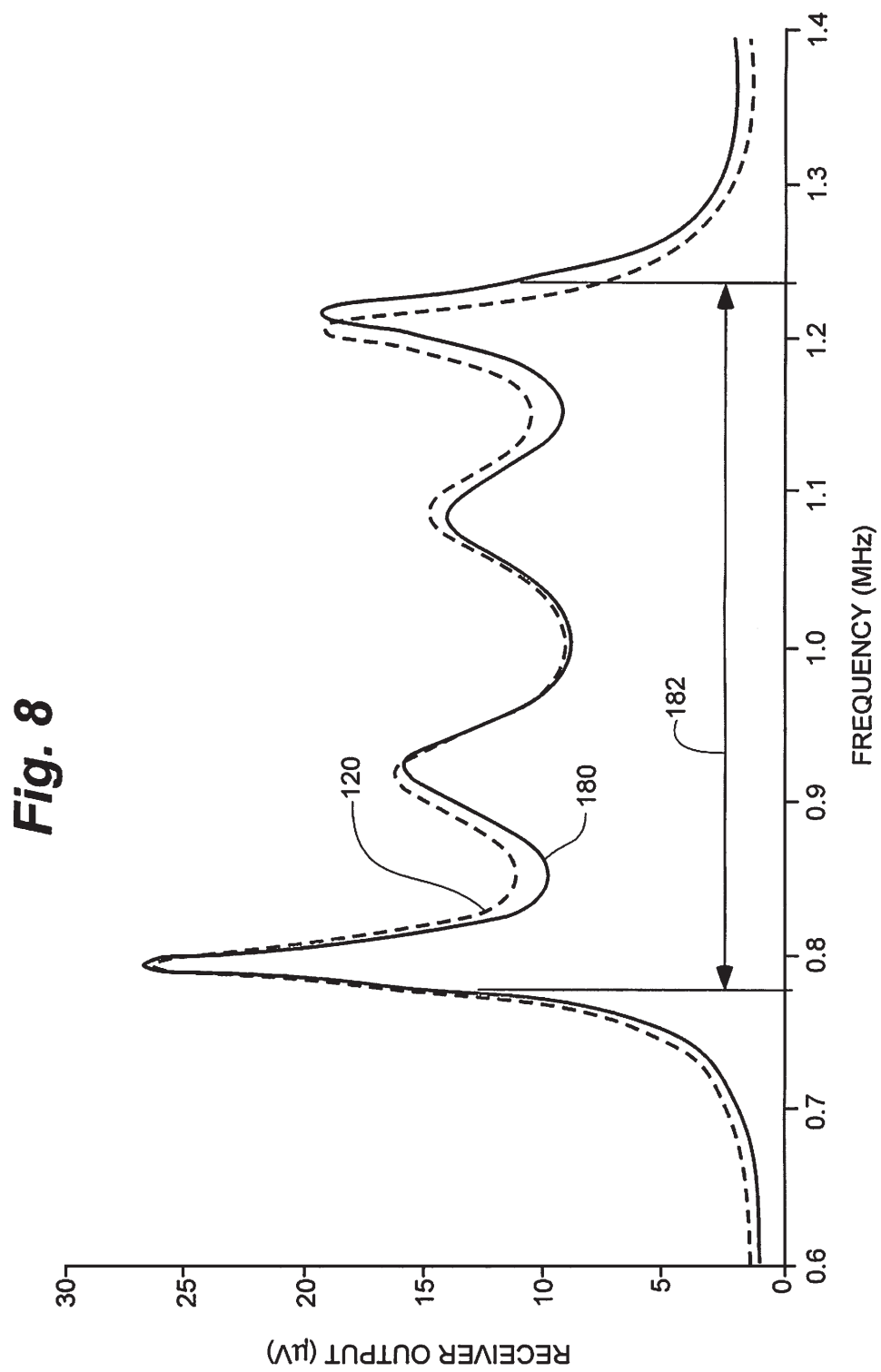
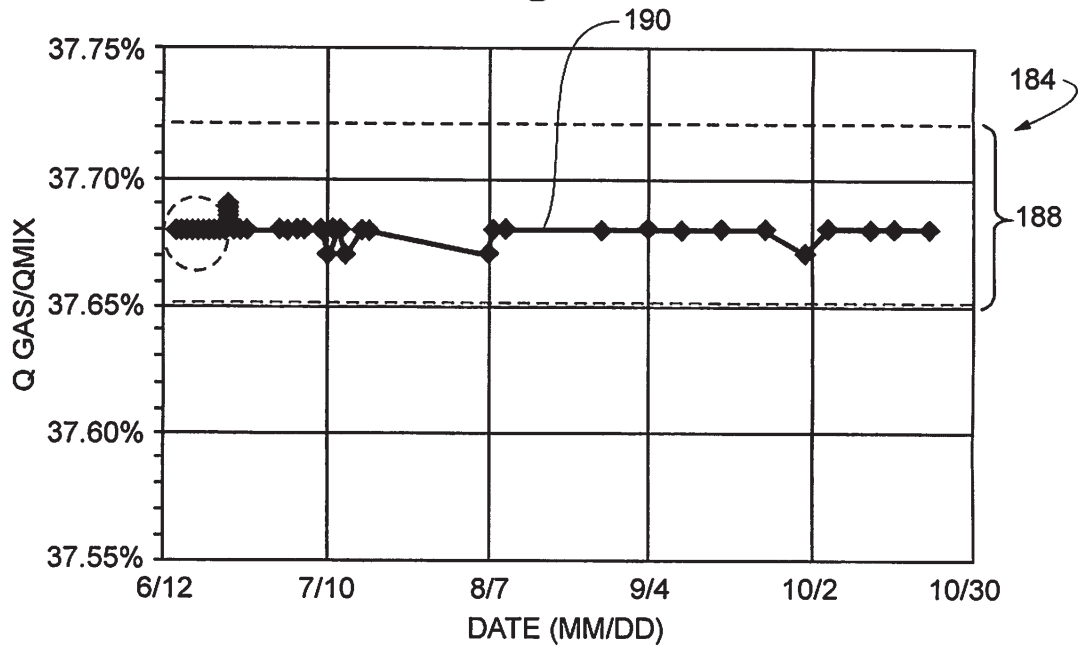


Fig. 9**Fig. 10**