

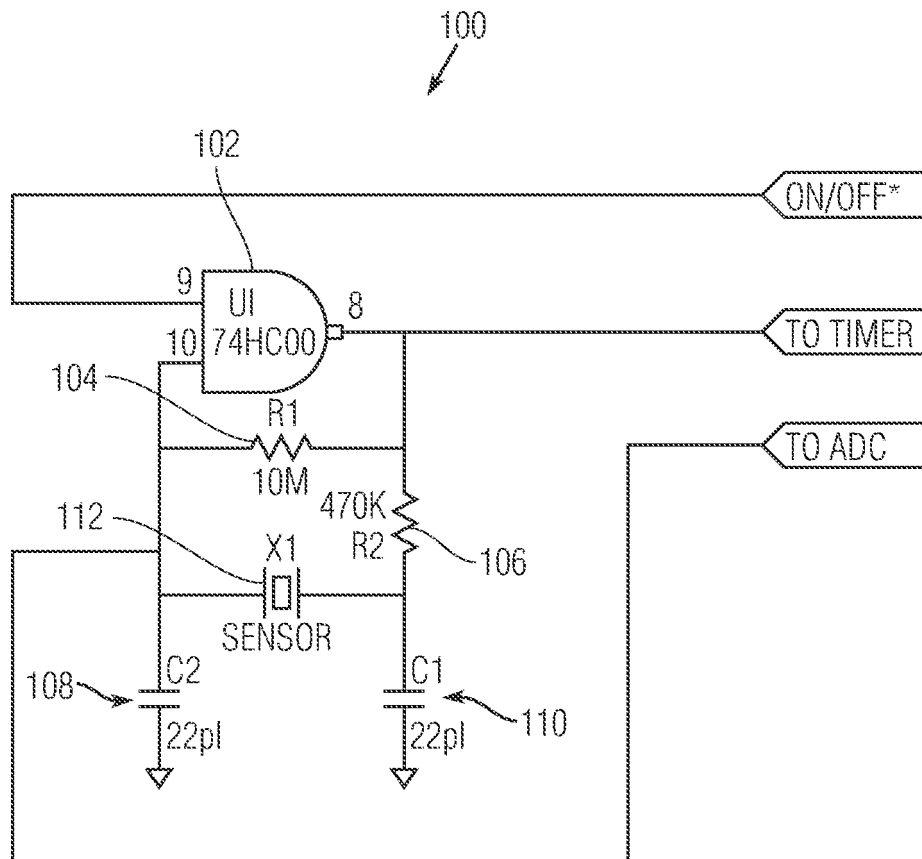


Figure 1

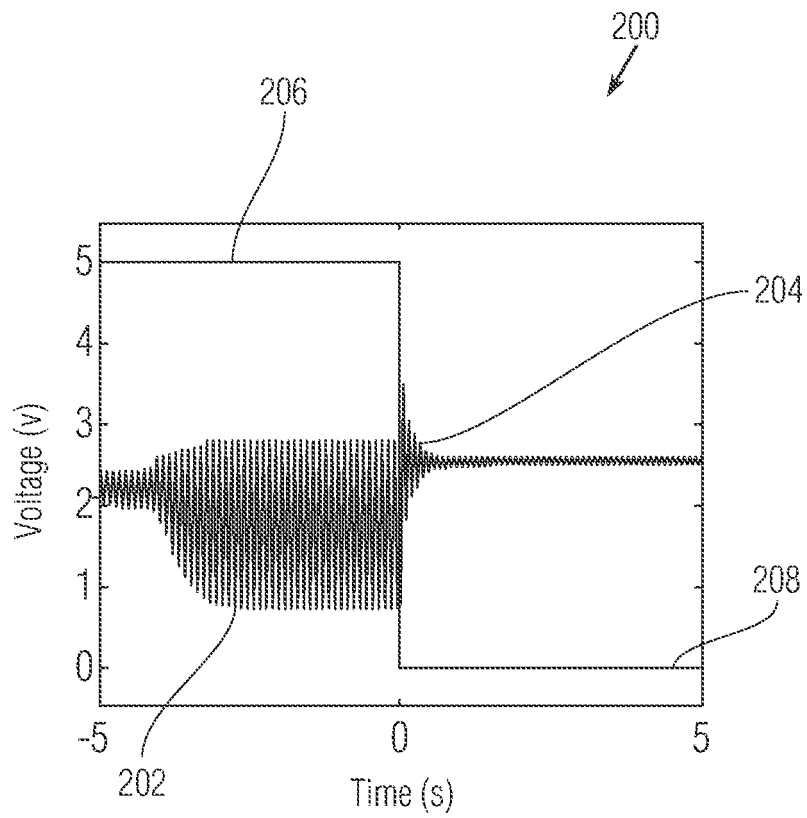


Figure 2

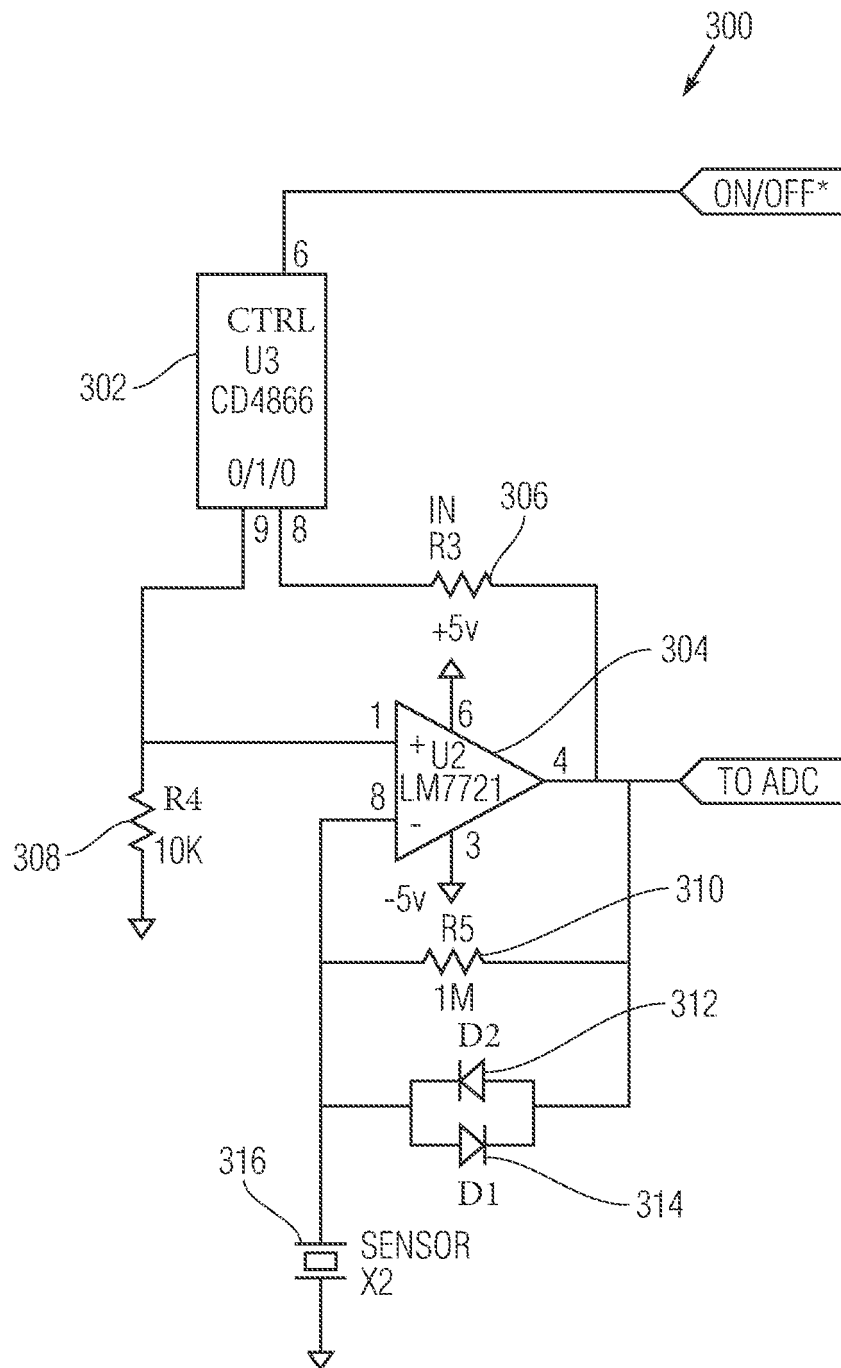


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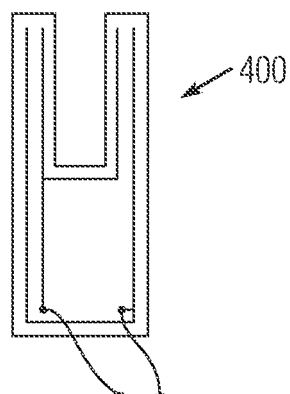


Figure 4

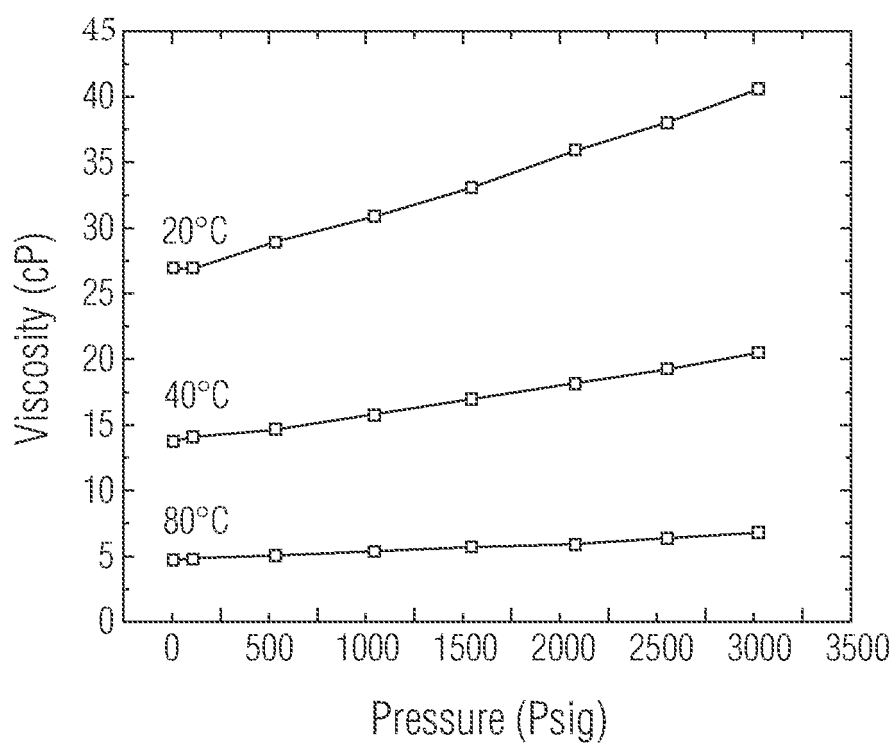


Figure 5

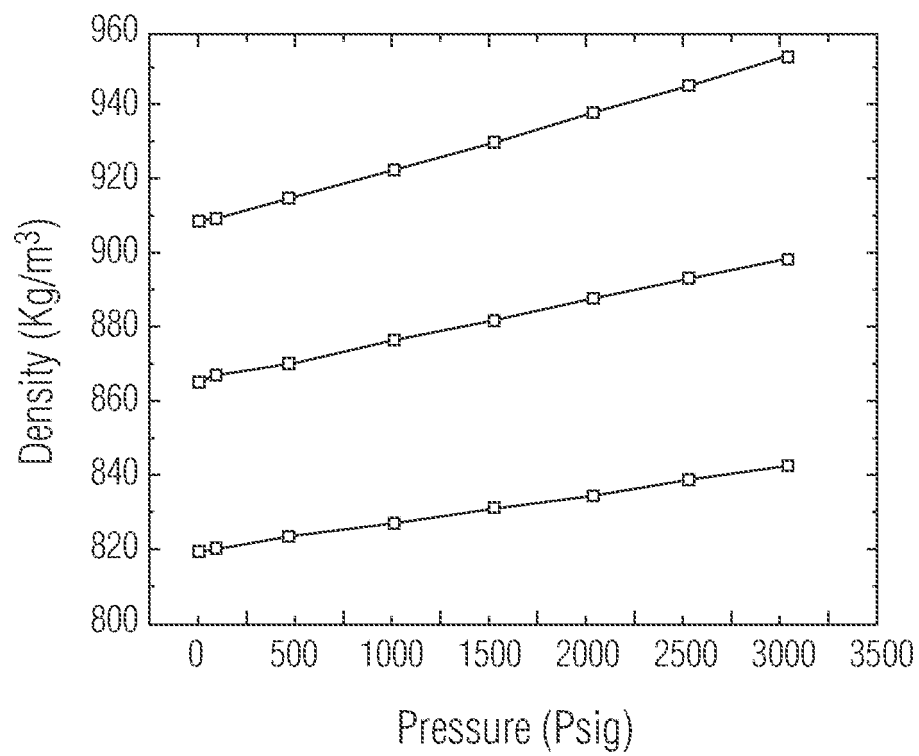


Figure 6

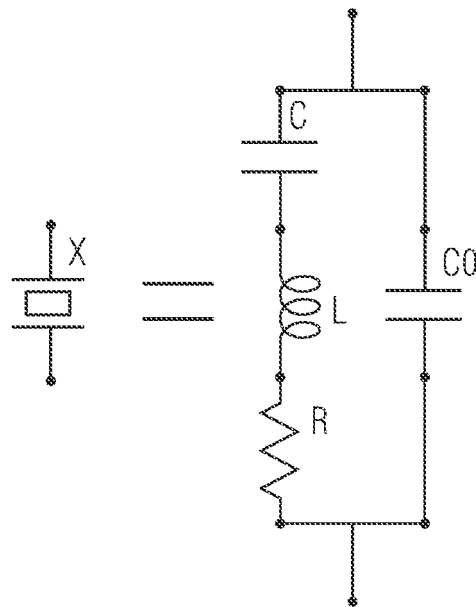


Figure 7

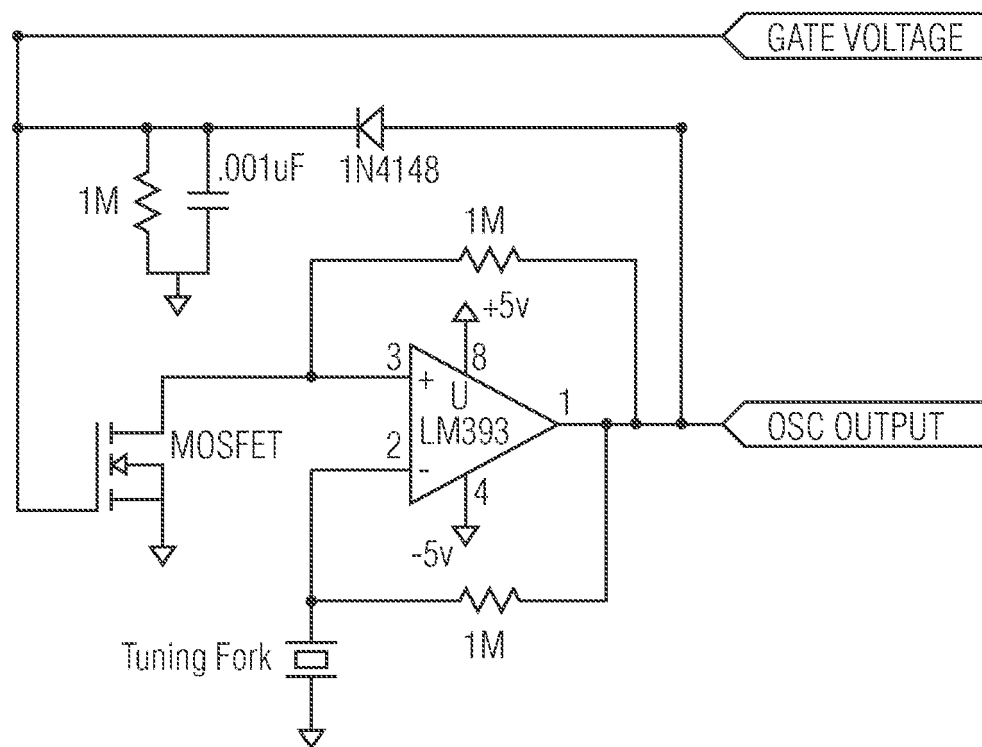


Figure 8

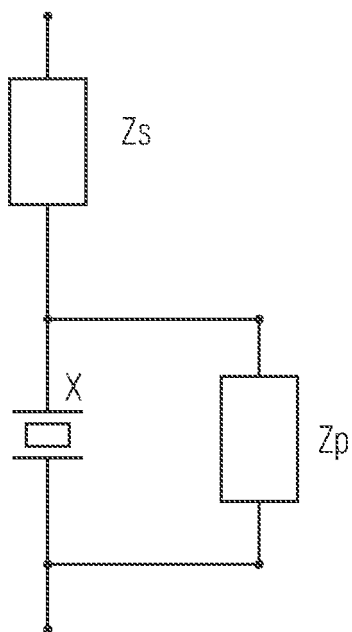
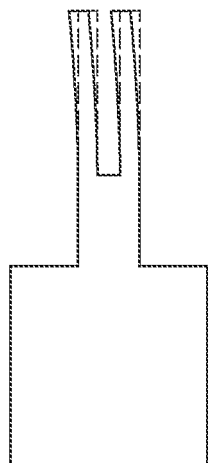
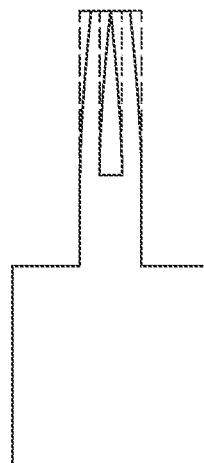


Figure 9



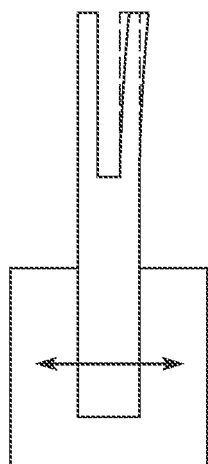
Cantilever mode

Figure 10A



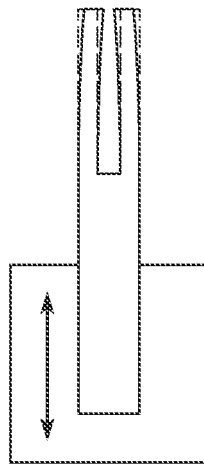
Scissoring mode

Figure 10B



Parallel excitation

Figure 10C



Orthogonal excitation

Figure 10D

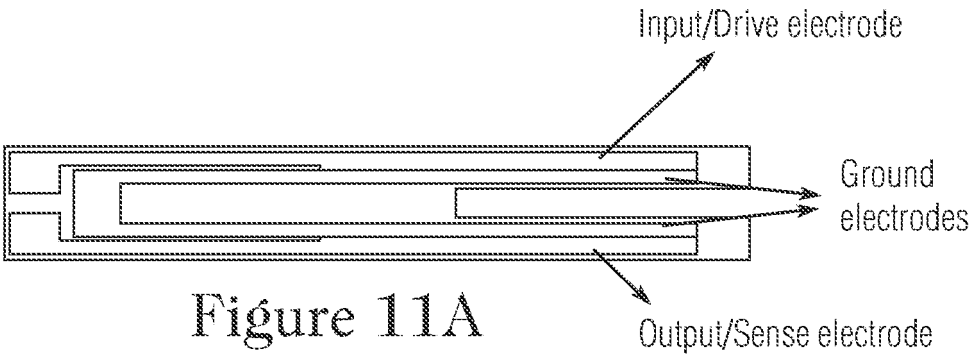


Figure 11A

Displacement of the tuning fork at the resonance



Figure 11B

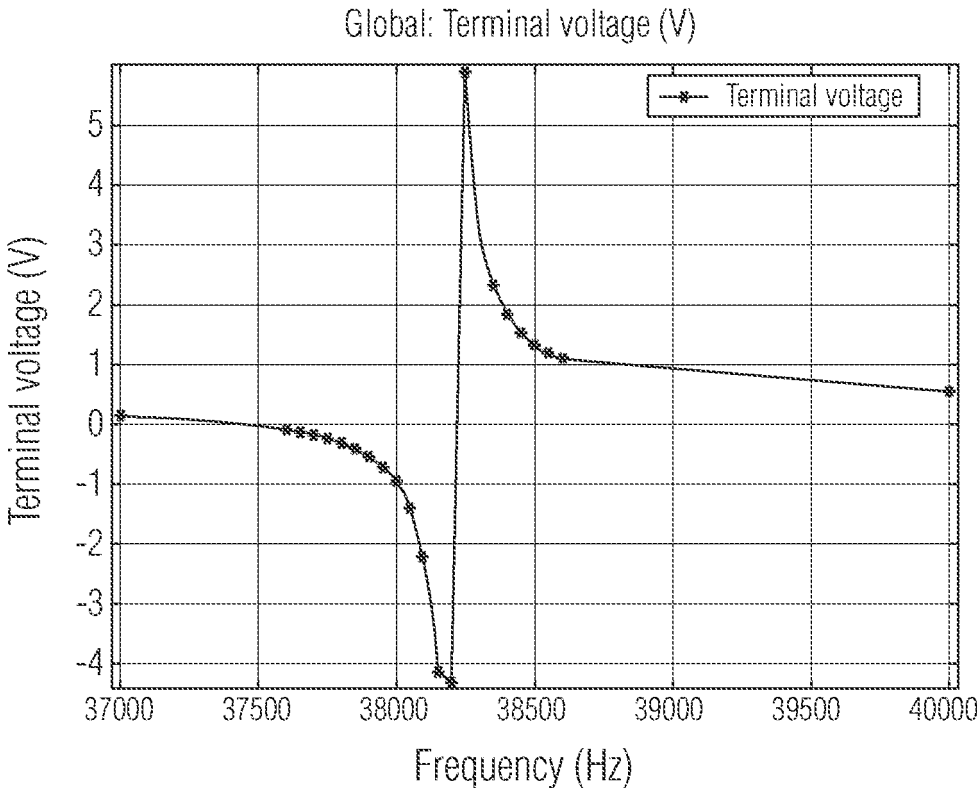
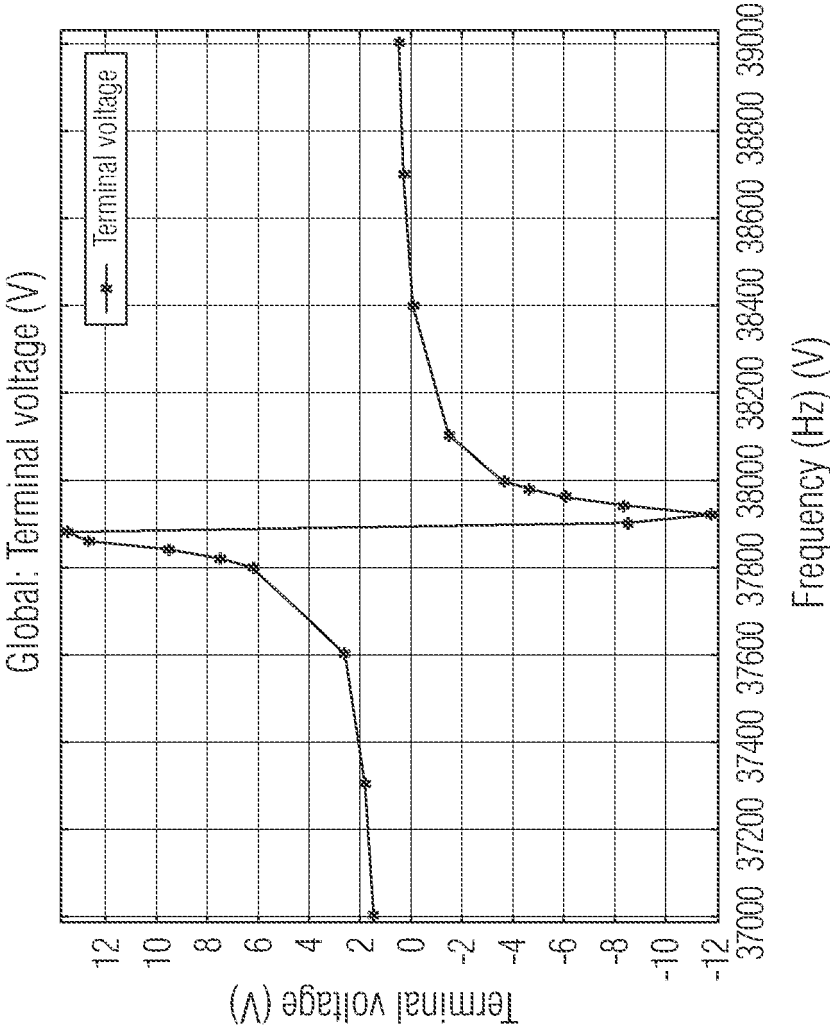
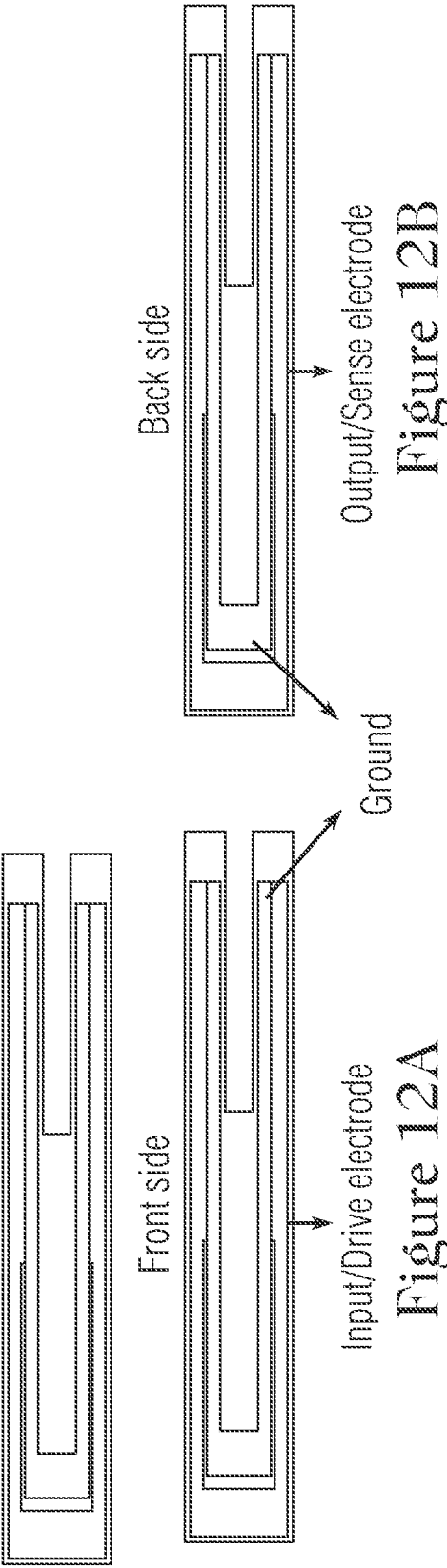


Figure 11C



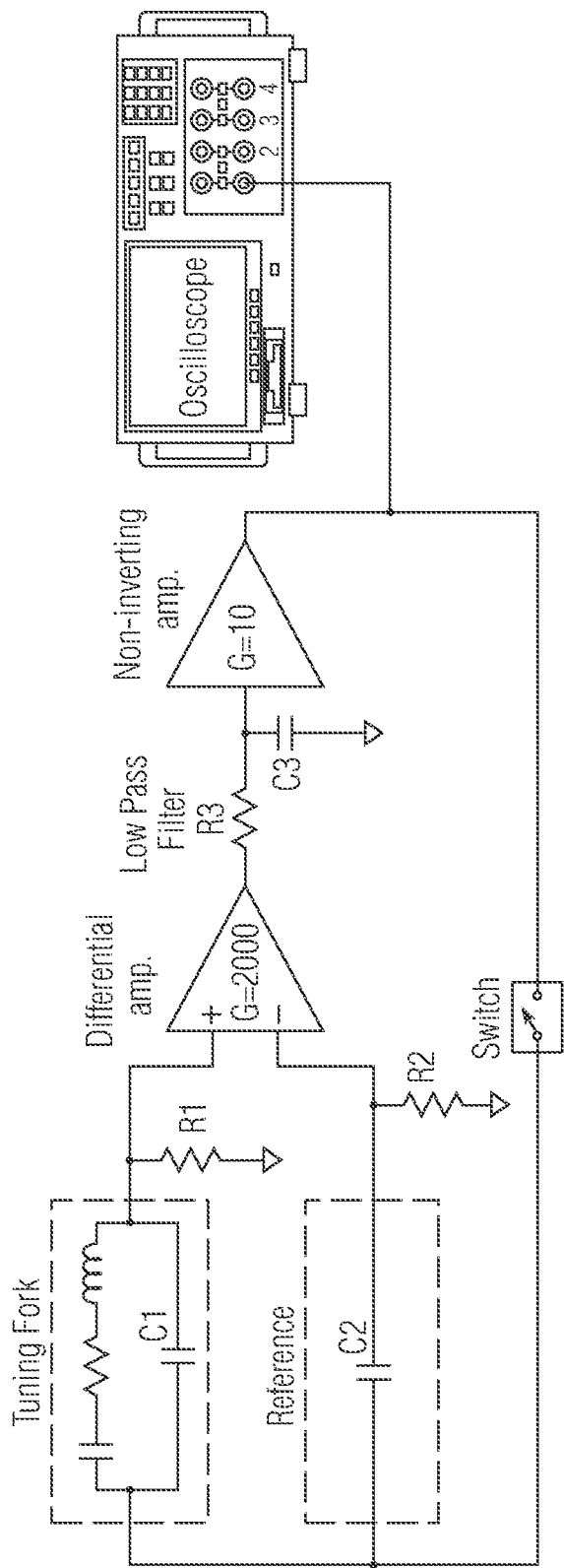


Figure 13