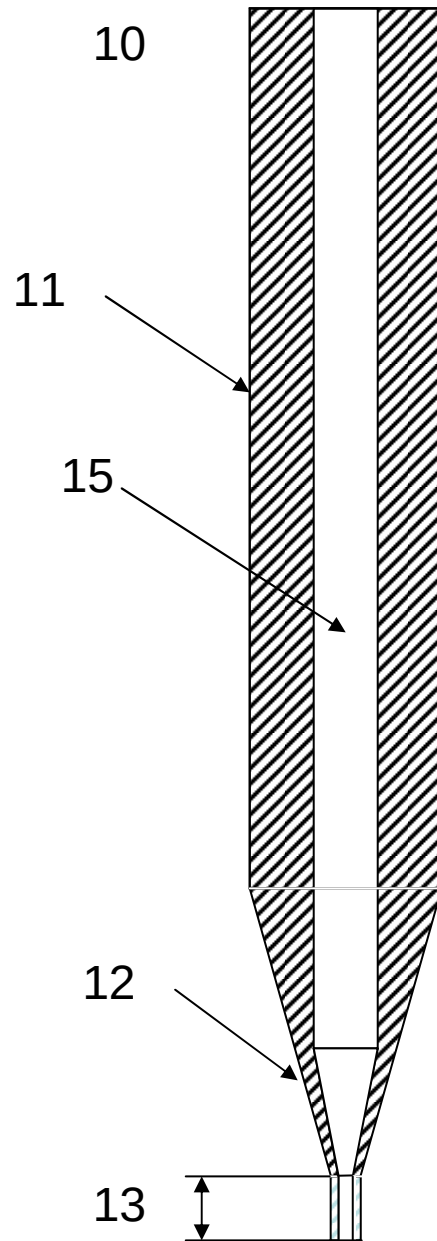


Figure 1



PRIOR ART

Figure 2

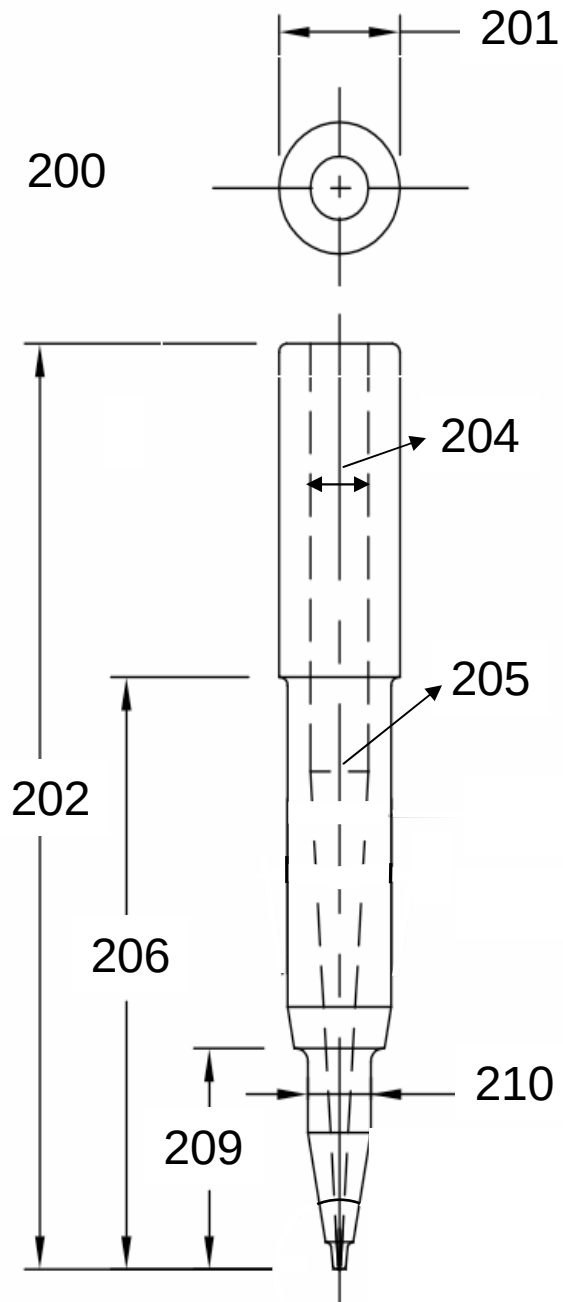


Figure 3

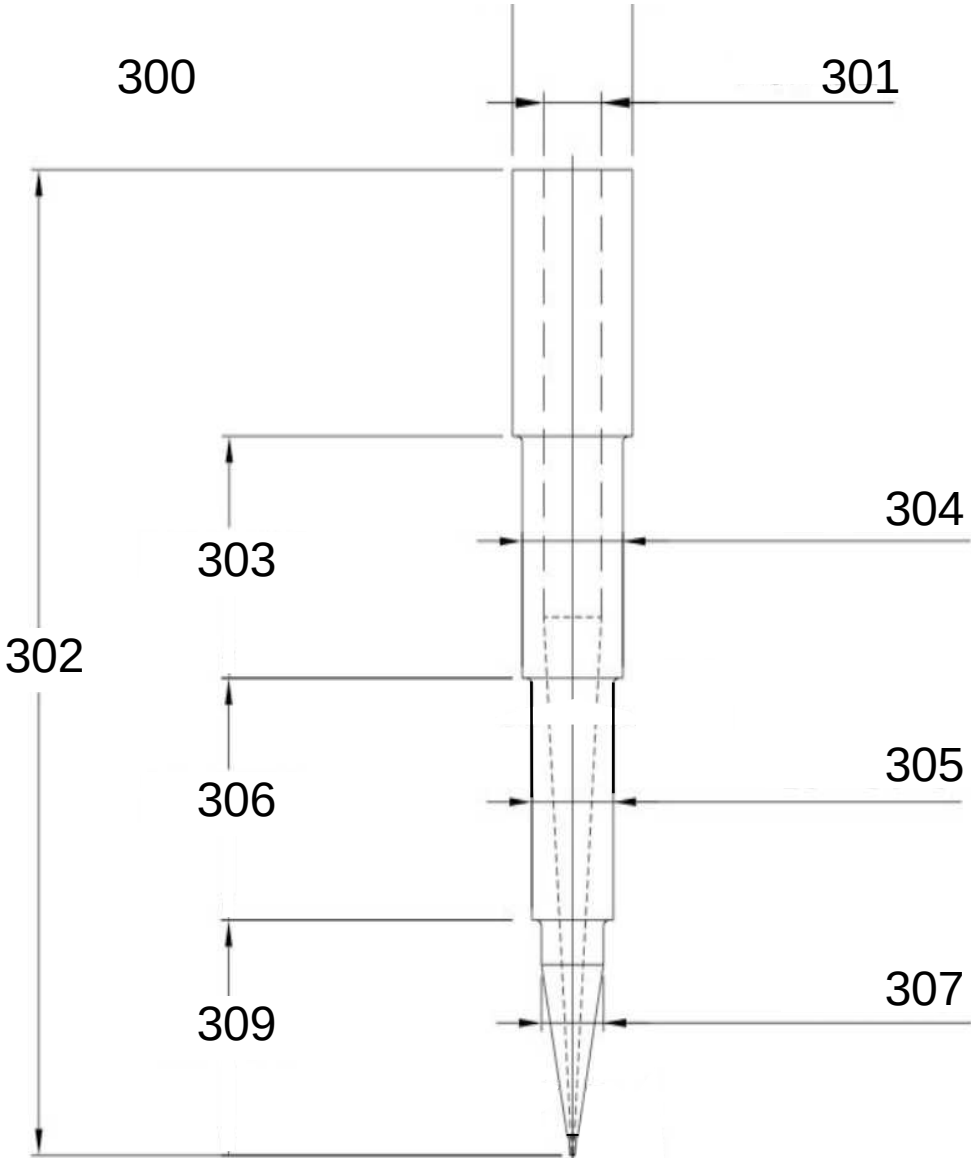


Figure 4

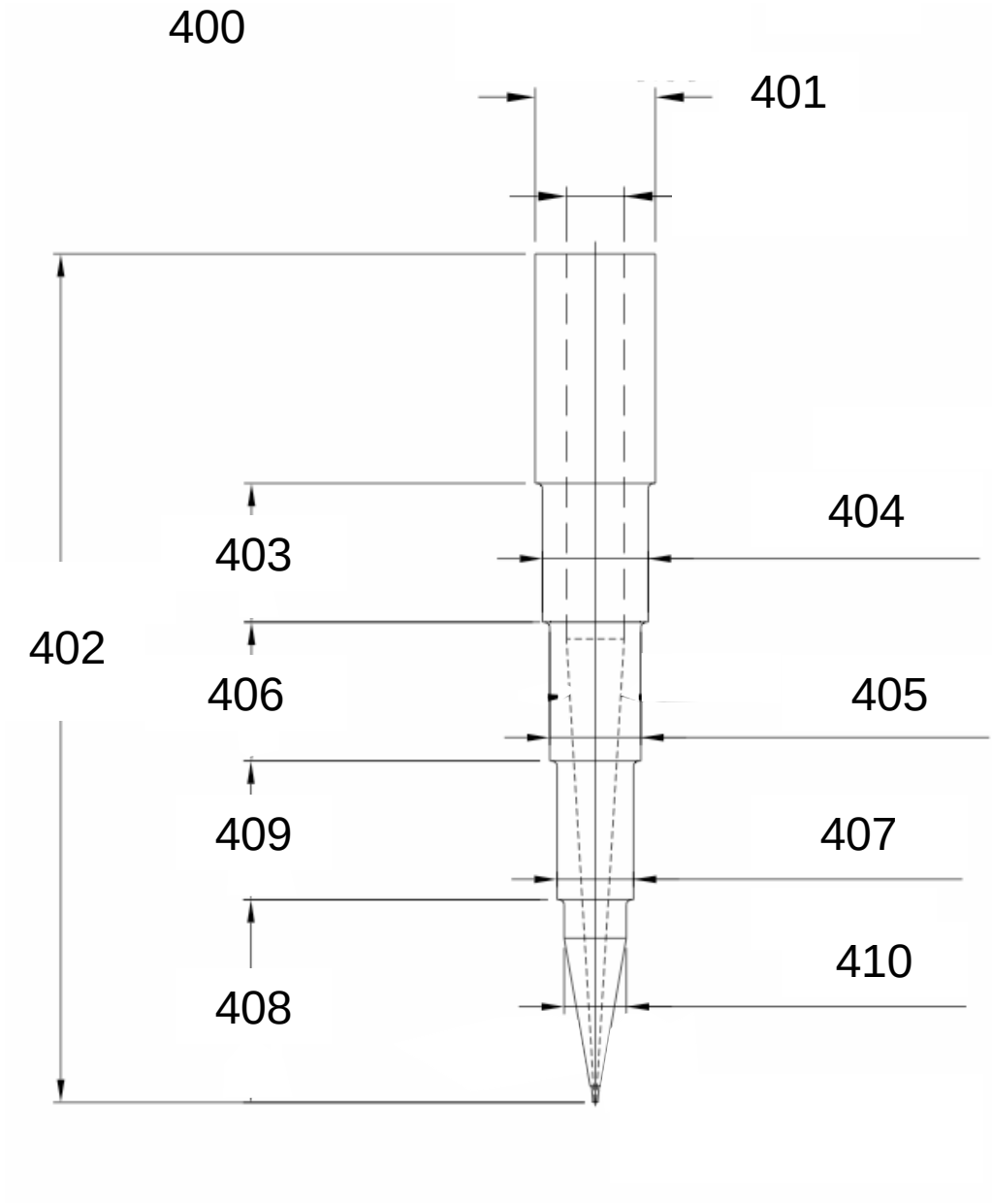


Figure 5

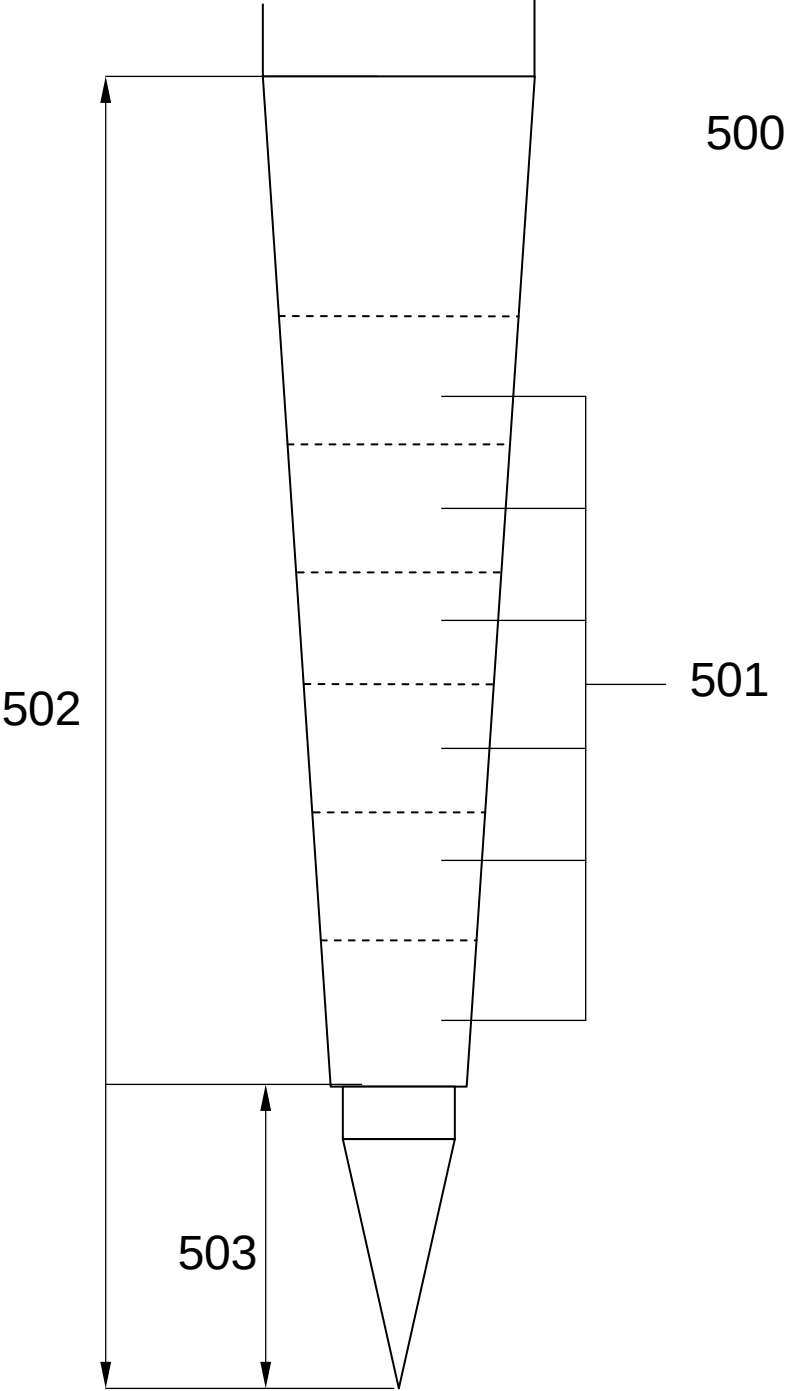


Figure 6A

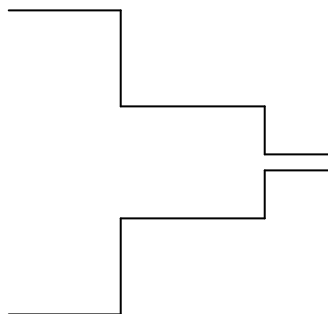


Figure 6B

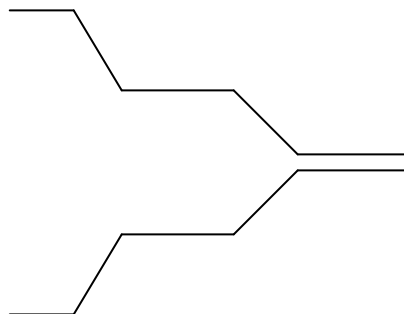


Figure 6C

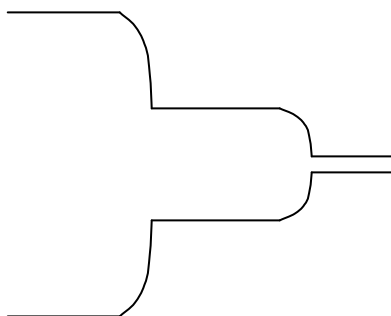


Figure 6D

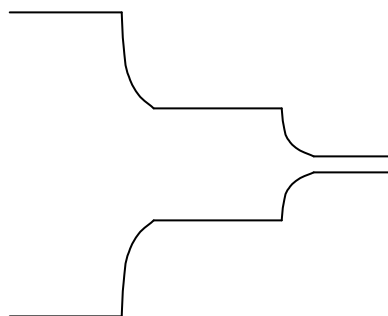


Figure 6E

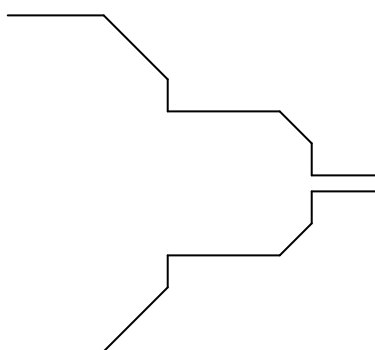


Figure 6F

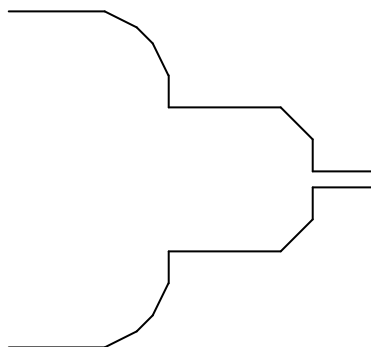
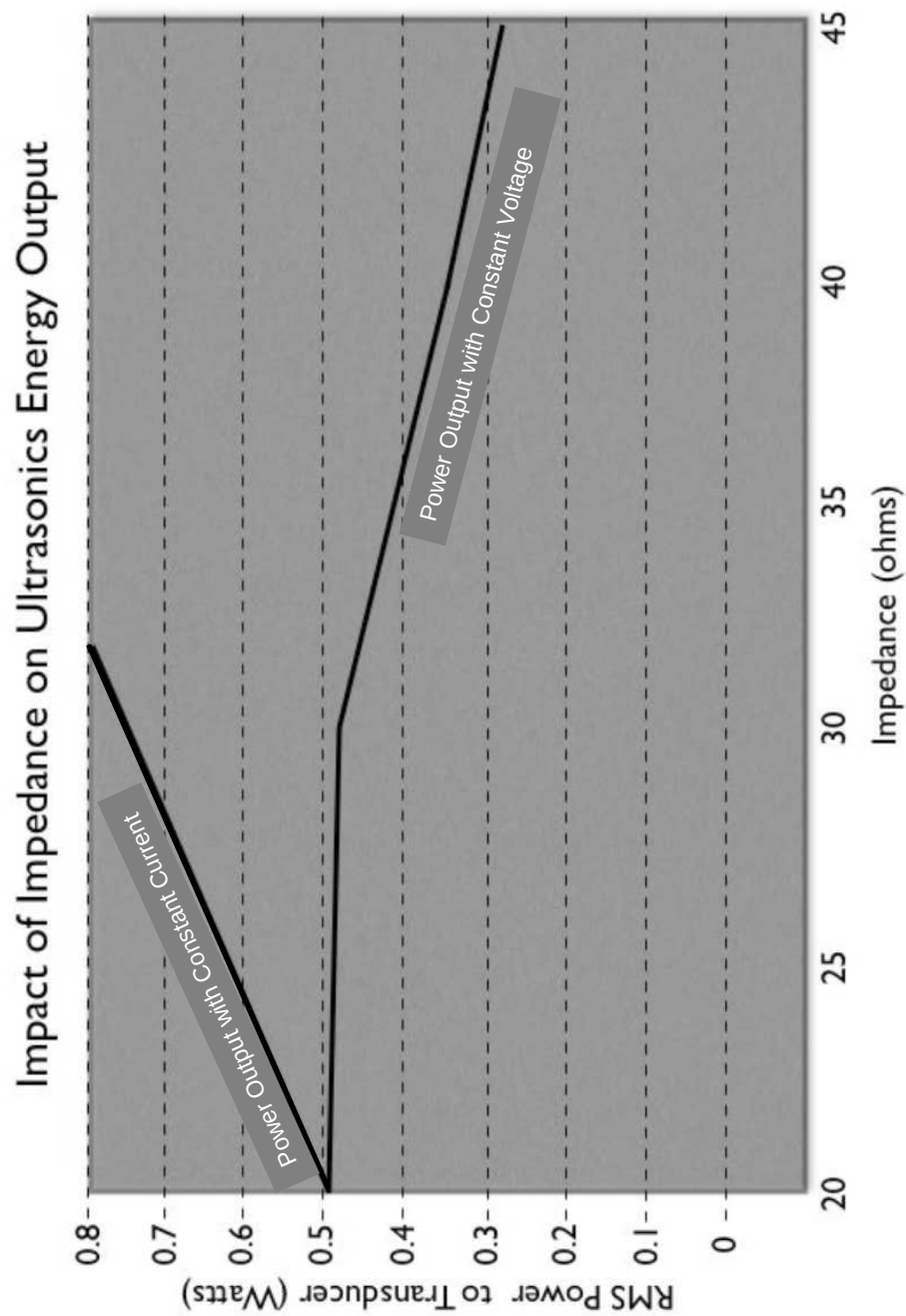


Figure 7



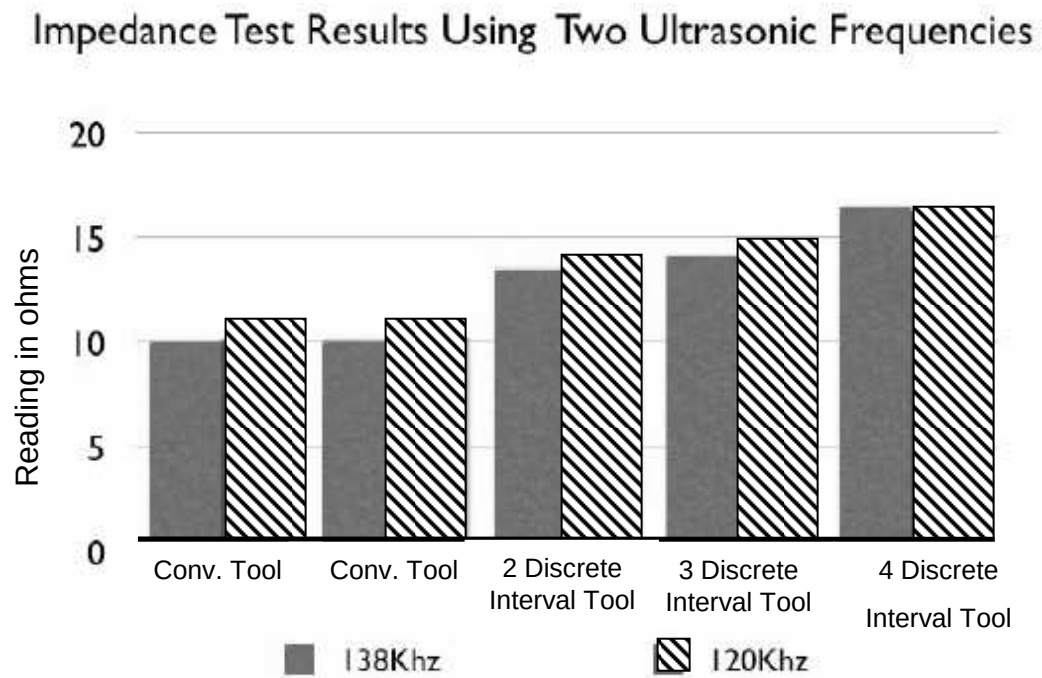
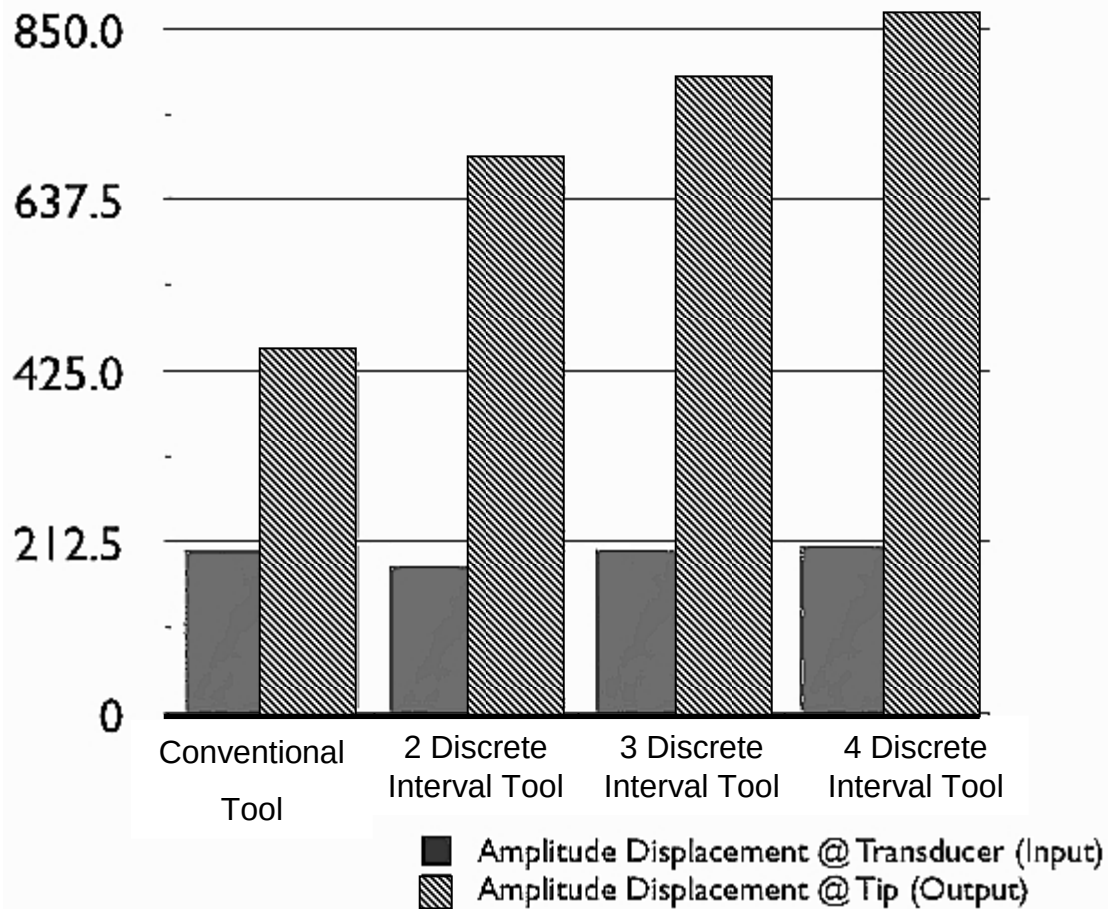


Figure 8

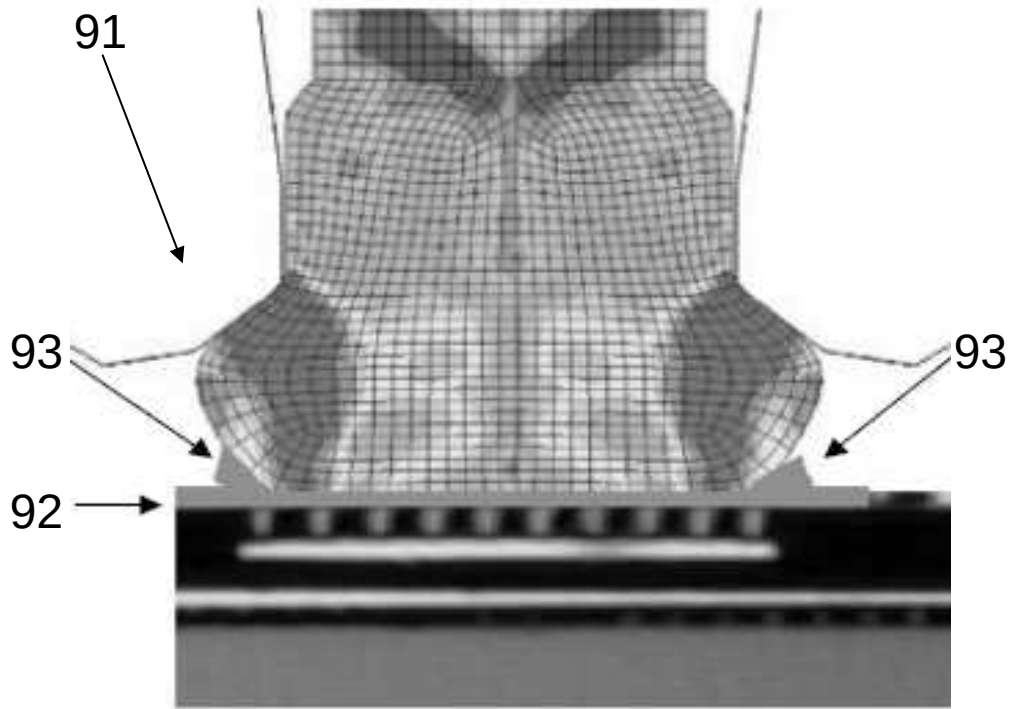
Figure 9



Bonding Tool	Amplitude Displacement at the Transducer (nm)	Amplitude Displacement at the Tip (nm)	Amplification Ratio
Conventional	203	450	2.22
2 Steps	184	684	3.70
3 Steps	206	636	3.08
4 Steps	211	648	3.07

Figure 10

Figure 11A



PRIOR ART

Figure 11B

