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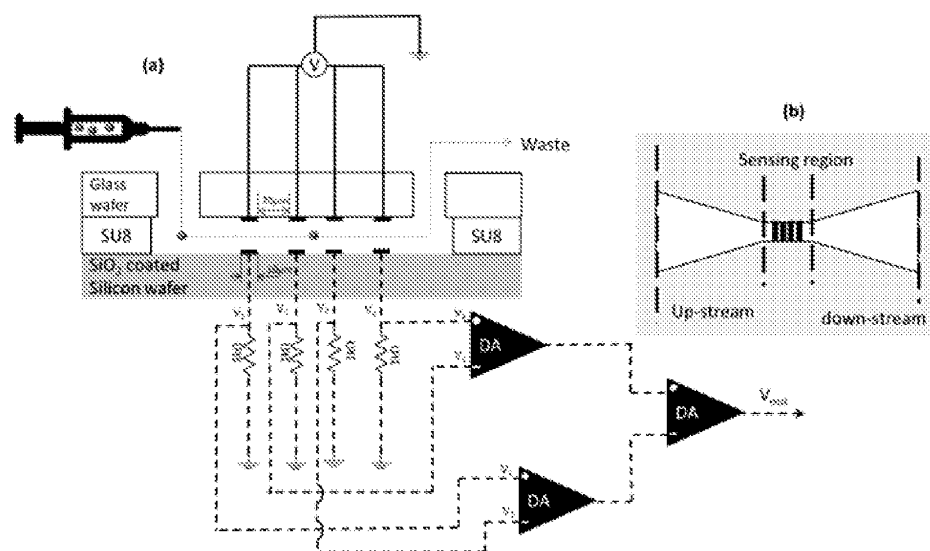


FIGURE 1

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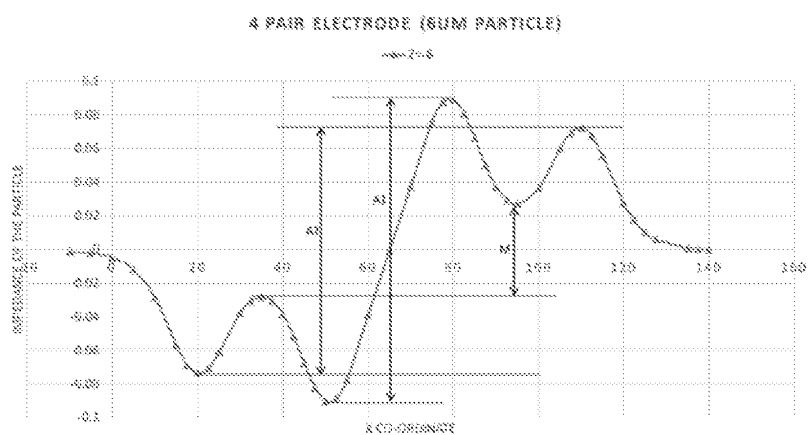


FIGURE 2

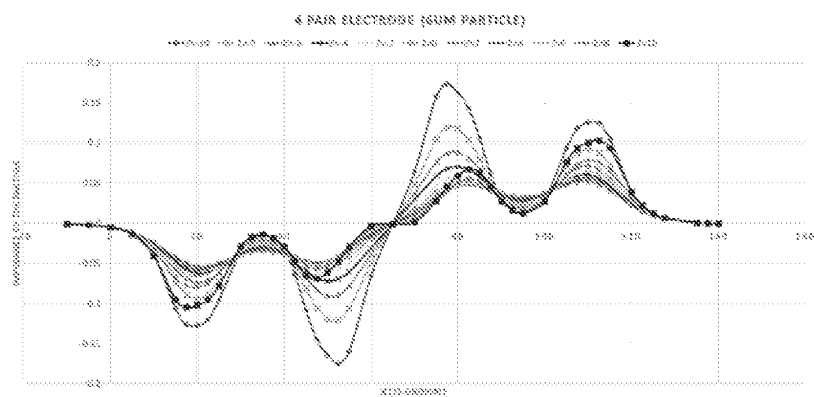


FIGURE 3

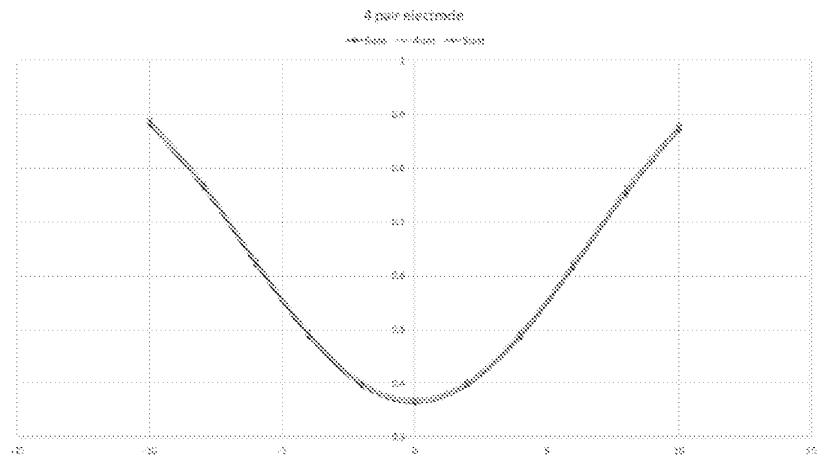


FIGURE 4

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Position vs. amplitude (4 pair electrode)			
	6 micron	5 micron	4 micron
a1	-0.09888	-0.09812	-0.09909
a2	1.938	1.03	1.932
R ²	0.9919	0.9912	0.9907
Fitted equation: $\{AZ = 6d^2 \{1 + a1 \left(\frac{ZZ}{H}\right) + a2 \left(\frac{ZZ}{H}\right)^2\}\}$; Gain factor = 18.47695261			
Position vs. prominence (4 pair electrode)			
	6 micron	5 micron	4 micron
c1	0.3644	0.3687	0.3723
c2	1.814	1.824	1.833
c3	-1.487	-1.508	-1.518
R ²	0.9986	0.9997	0.9997
Fitted equation: $\{P = c1 + c2 \left(\frac{ZZ}{H}\right)^2 + c3 \left(\frac{ZZ}{H}\right)^3\}$			

FIGURE 5

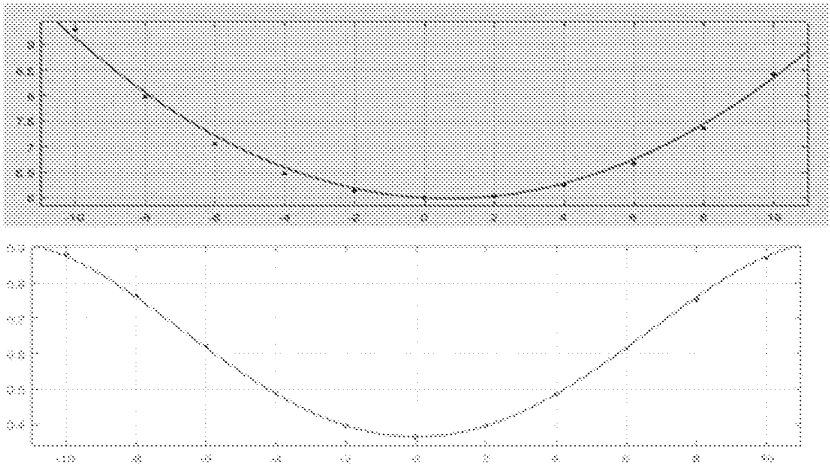


FIGURE 6

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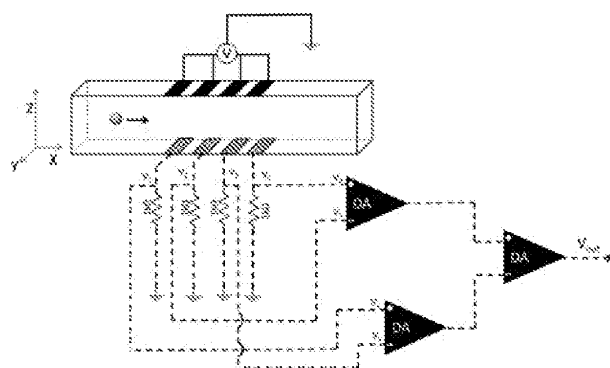


FIGURE 7

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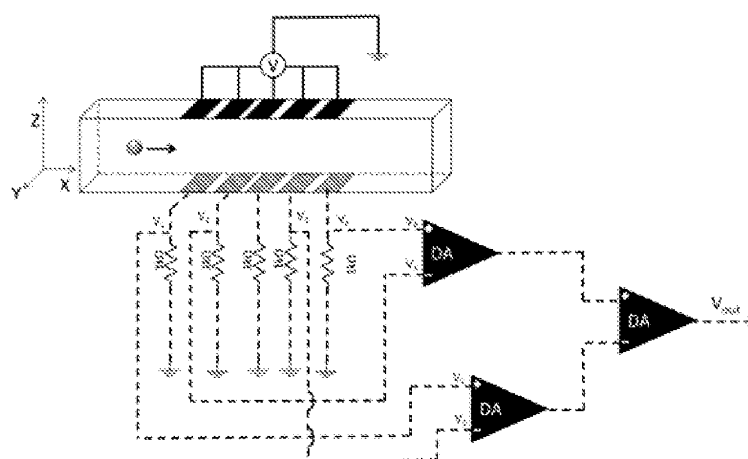


FIGURE 8

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Position vs. amplitude (5 pair)			
	6 micron	5 micron	4 micron
a1	-0.07688	-0.07816	-0.08
a2	1.024	1.027	1.027
R ²	0.992	0.9913	0.9909
Fitted equation: $A2 = Gd^3(1 + a1(\frac{2F}{H}) + a2(\frac{2F}{H})^2)$ Gain factor=18.46673317			
Position vs. prominence (5 pair)			
	6 micron	5 micron	4 micron
c1	0.362	0.3663	0.3698
c2	1.822	1.832	1.841
c3	-1.507	-1.518	-1.529
R ²	0.9984	0.9985	0.9986
Fitted equation: $P = c1 + c2(\frac{2F}{H})^2 + c3(\frac{2F}{H})^3$			

FIGURE 9

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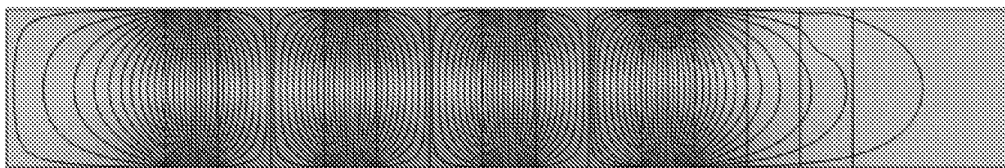


FIGURE 10

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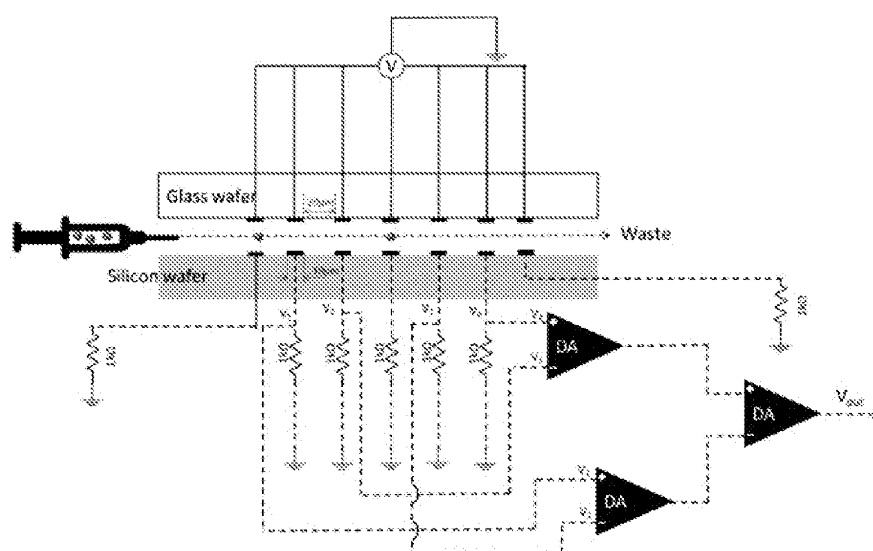


FIGURE 11

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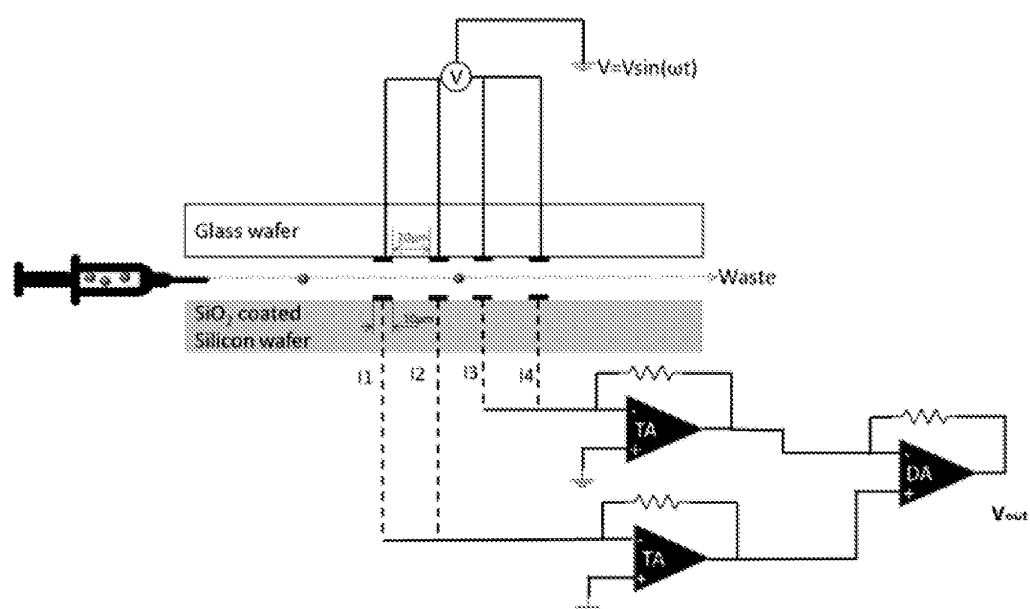


FIGURE 12

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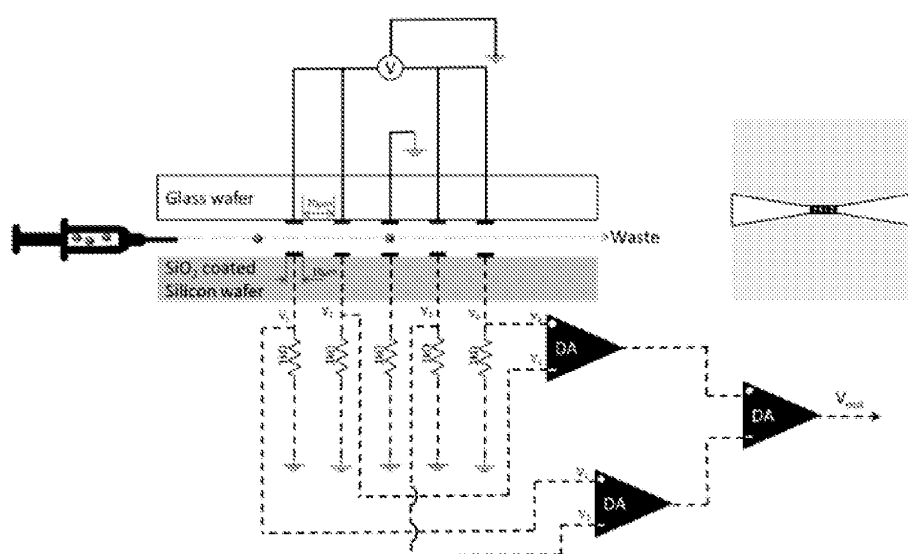


FIGURE 13

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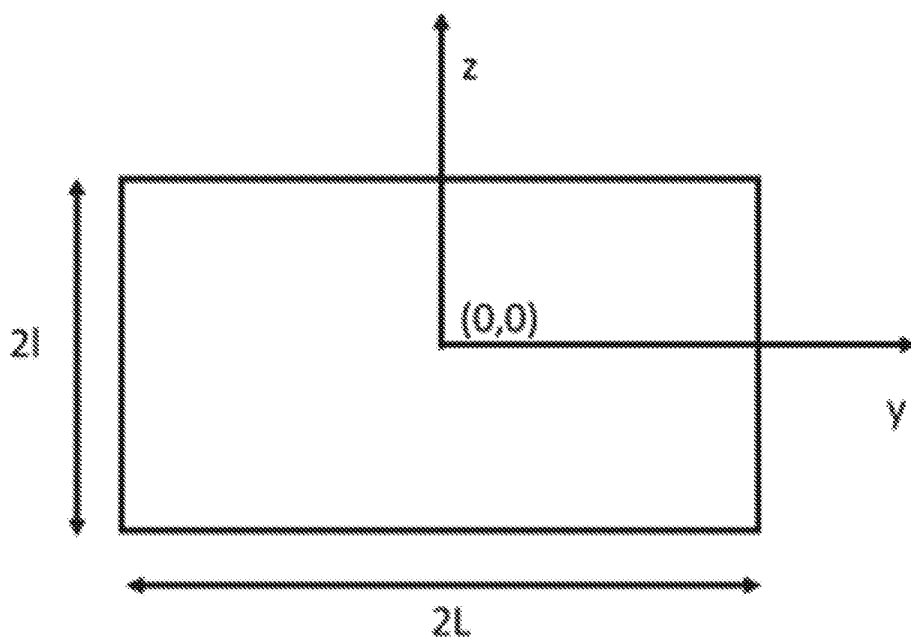


FIGURE 14