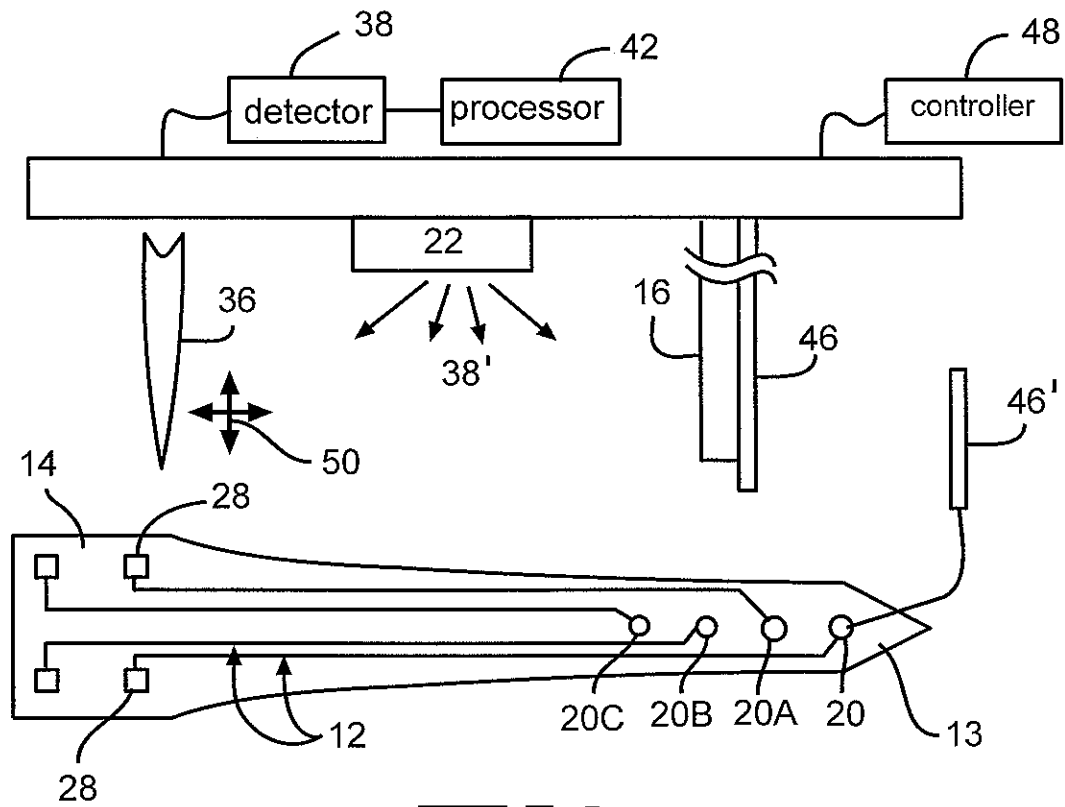
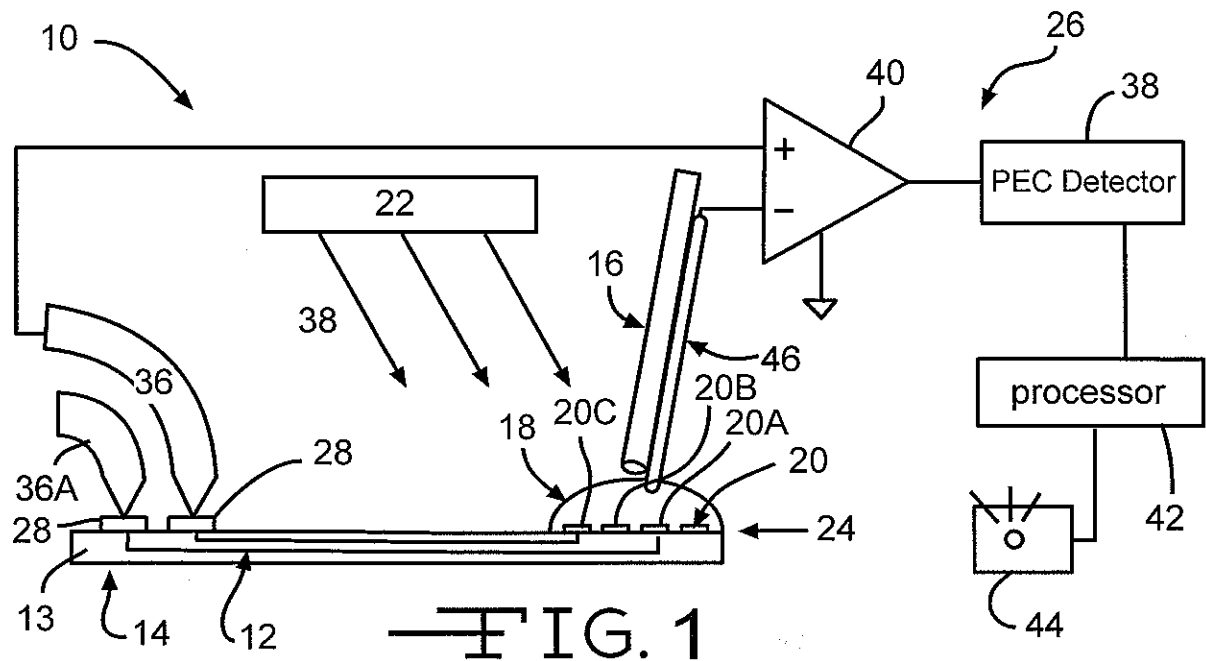


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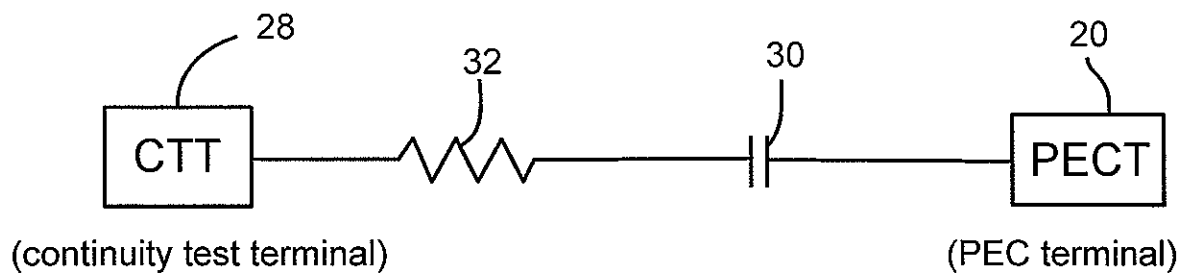


FIG. 3A

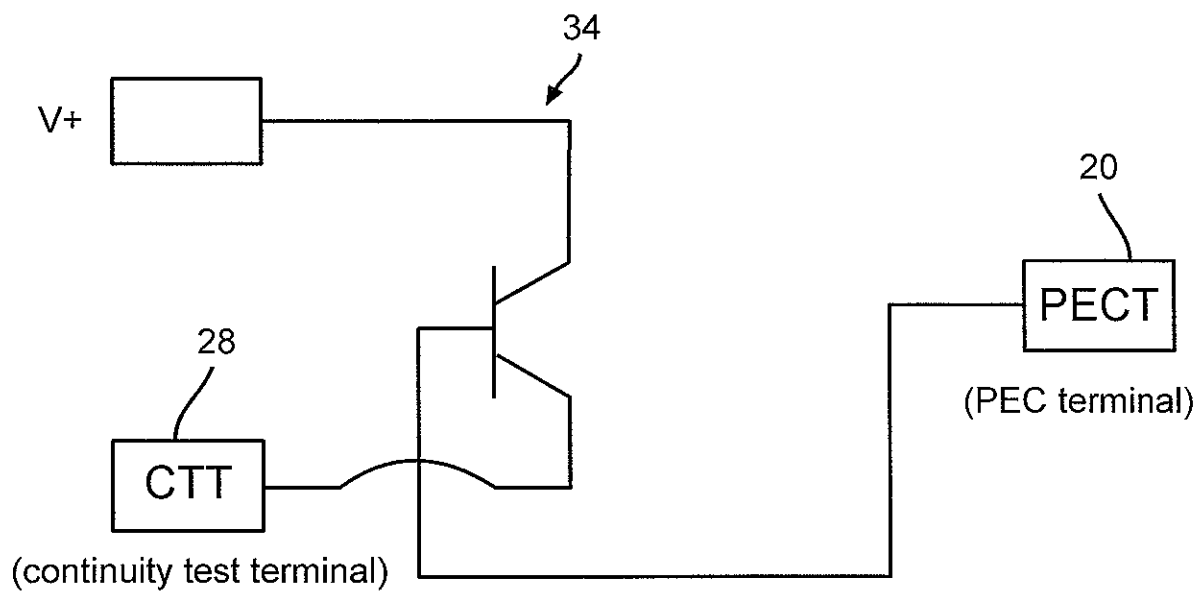


FIG. 3B

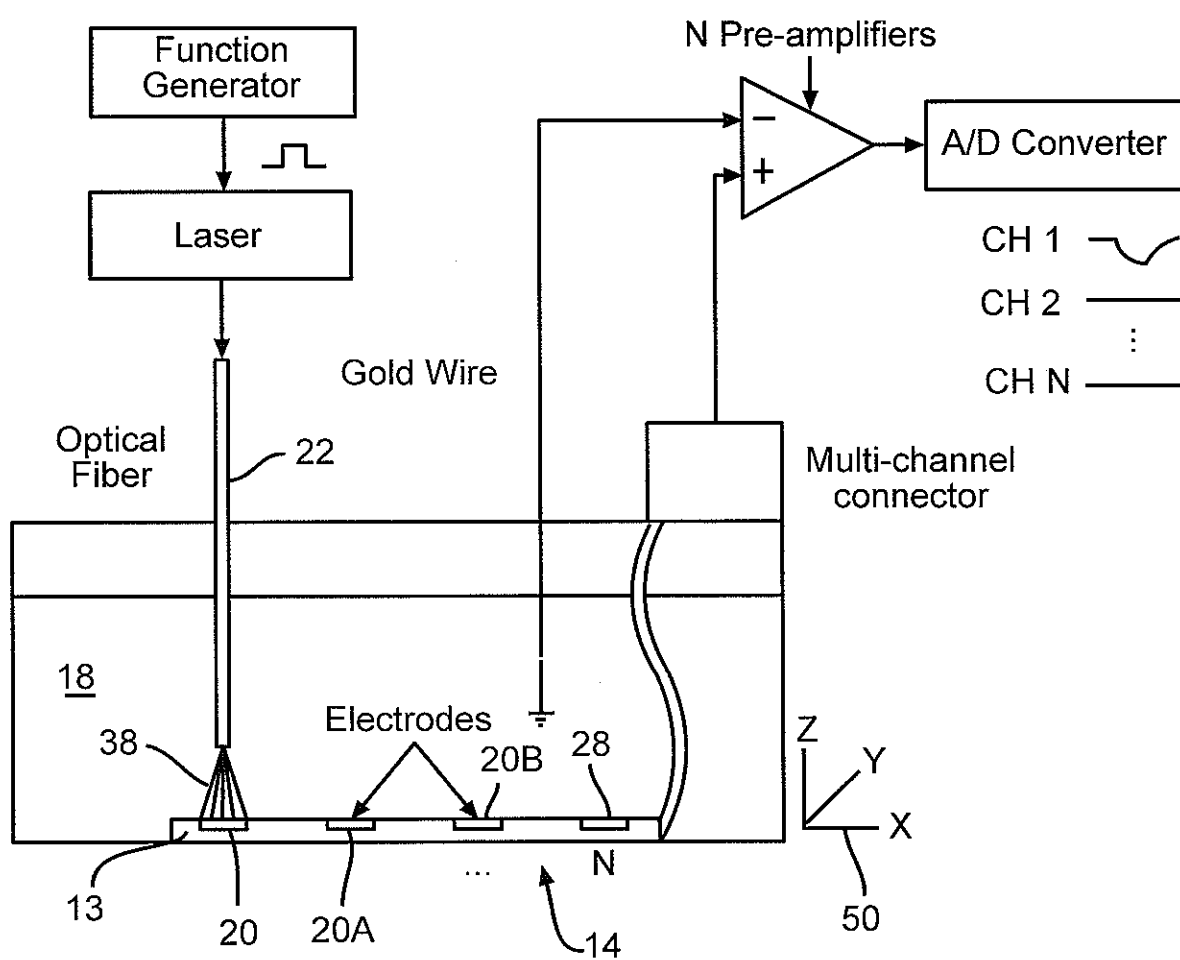


FIG. 4

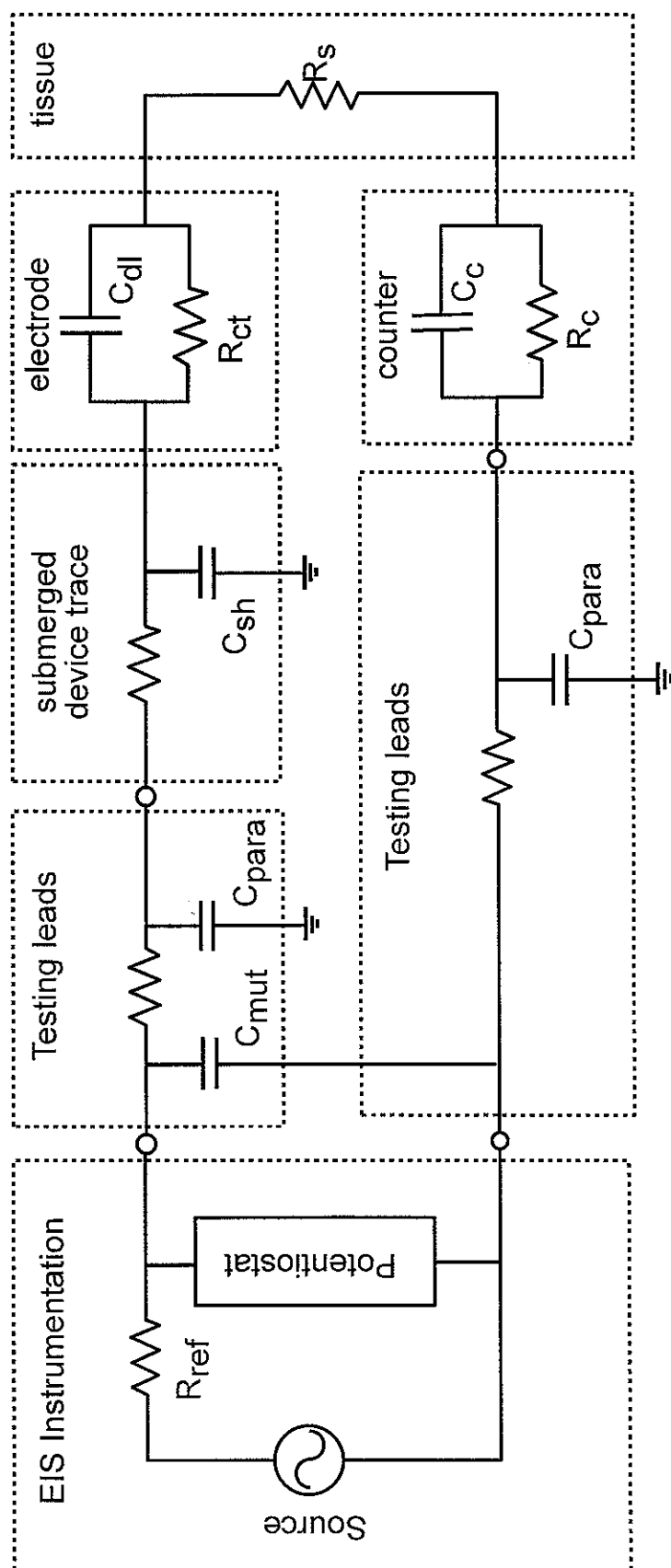


FIG. 5

Prior Art

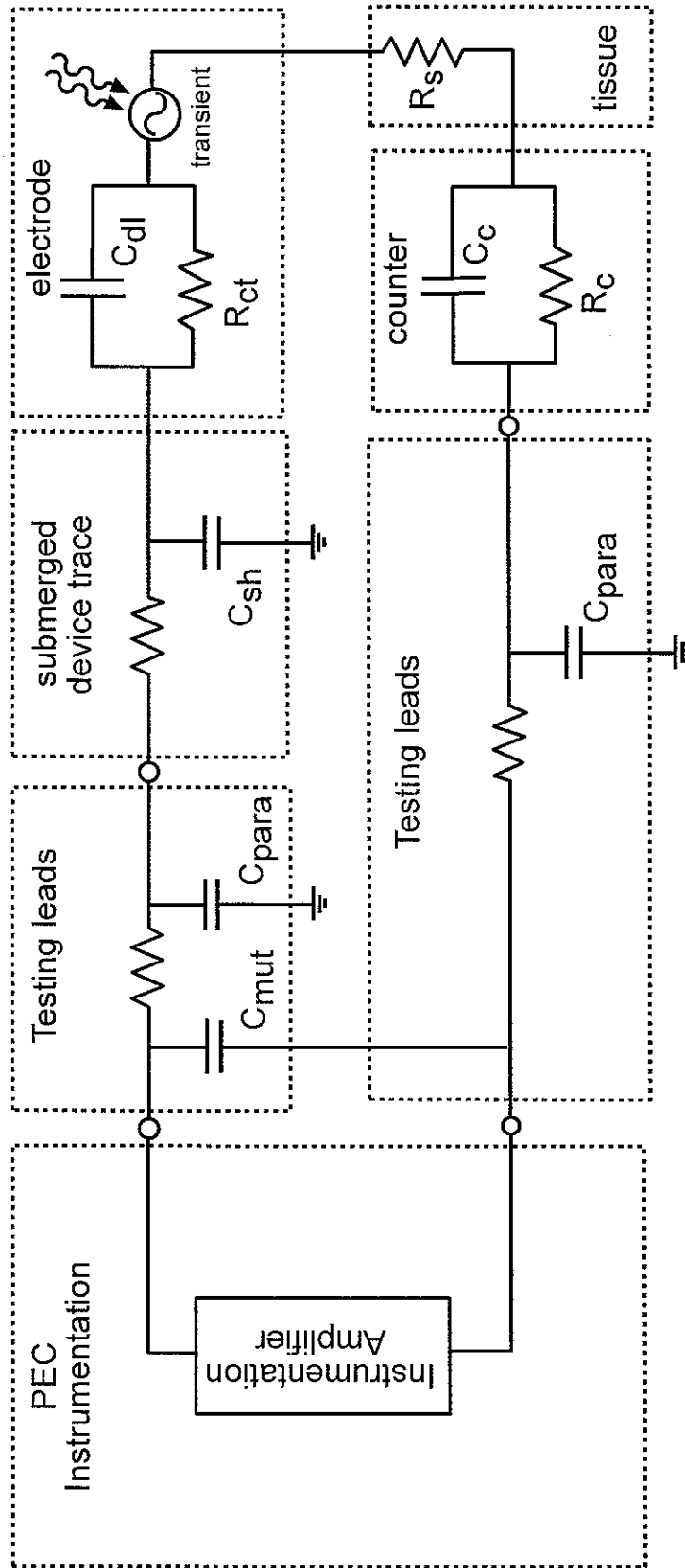


FIG. 6

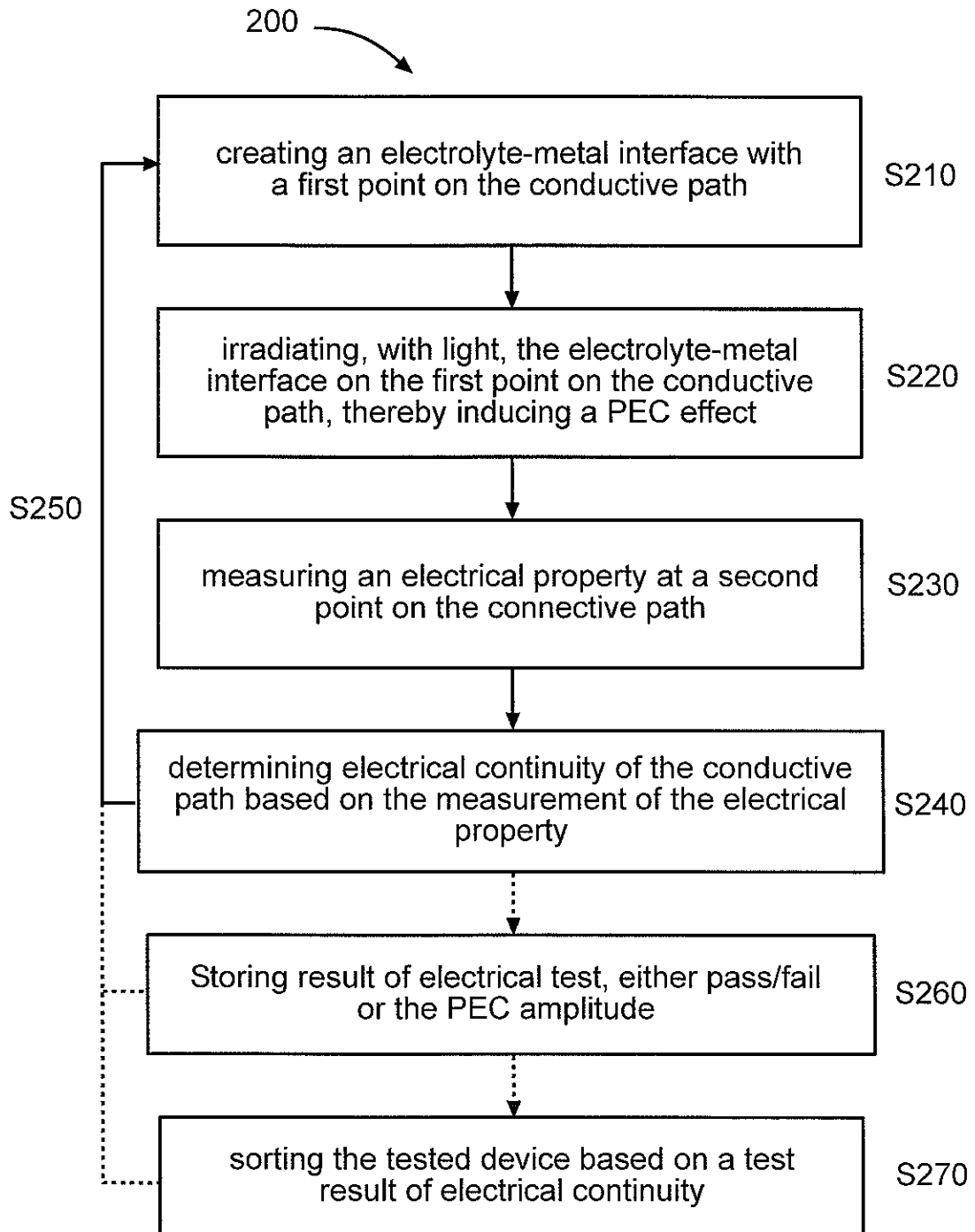


FIG. 7

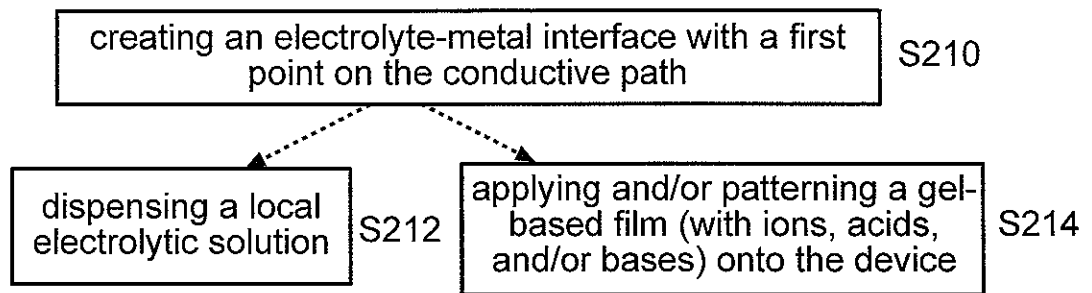


FIG. 8

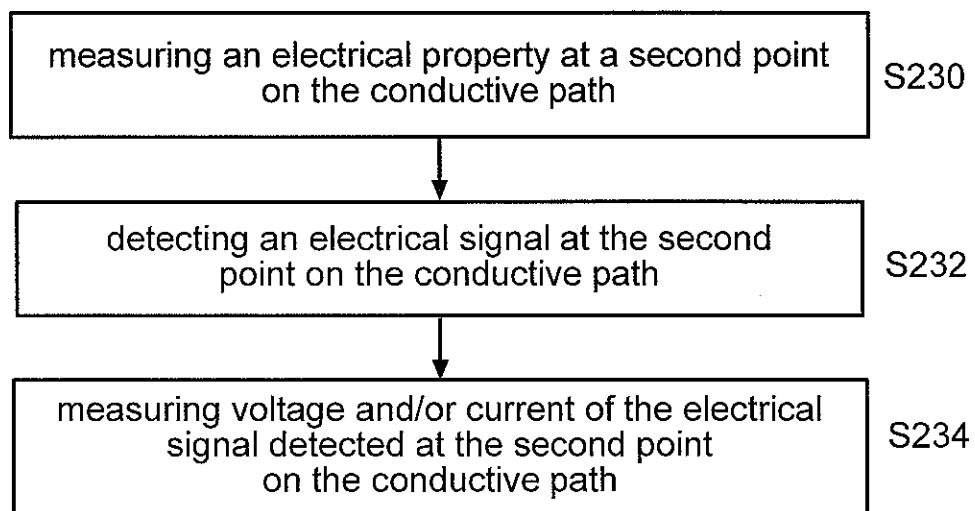


FIG. 9

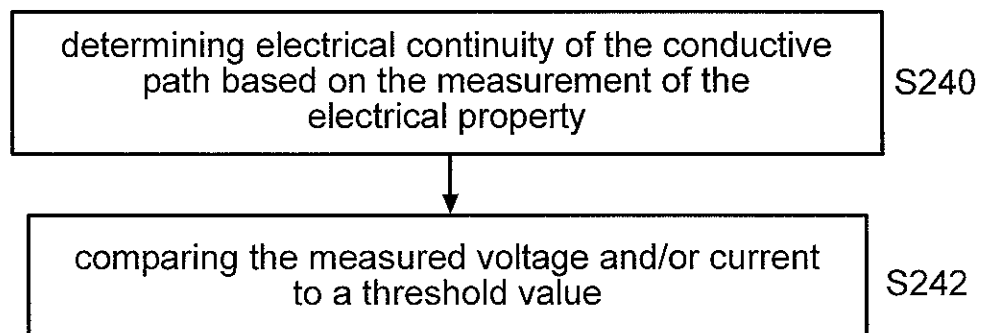
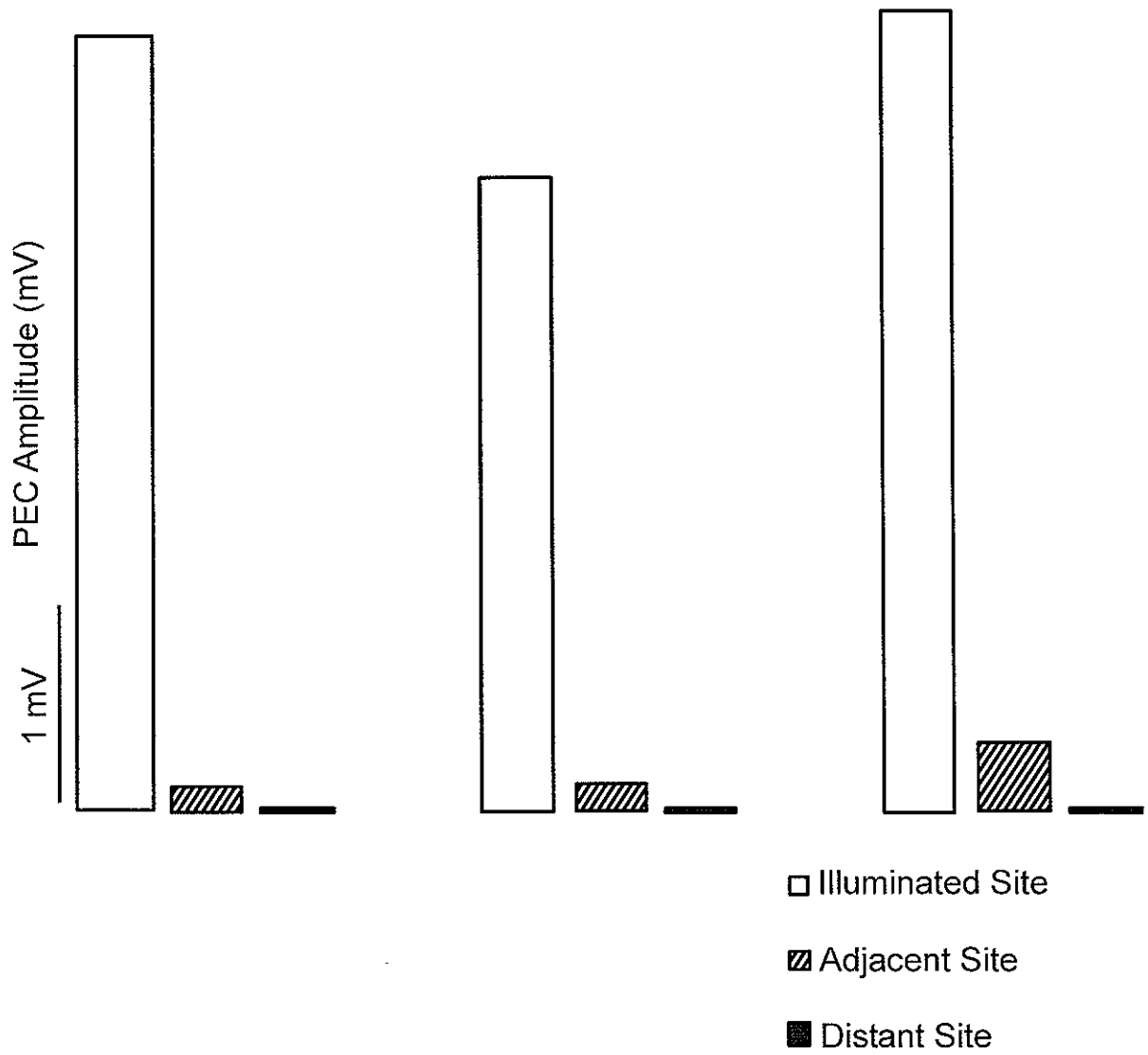


FIG. 10

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PEC Amplitude Simultaneously Measured on Mechanical Device,
 $\lambda = 473 \text{ nm}$, 50Hz, 5ms, 2mW, Fiber at $z = 0$



—FIG. 11

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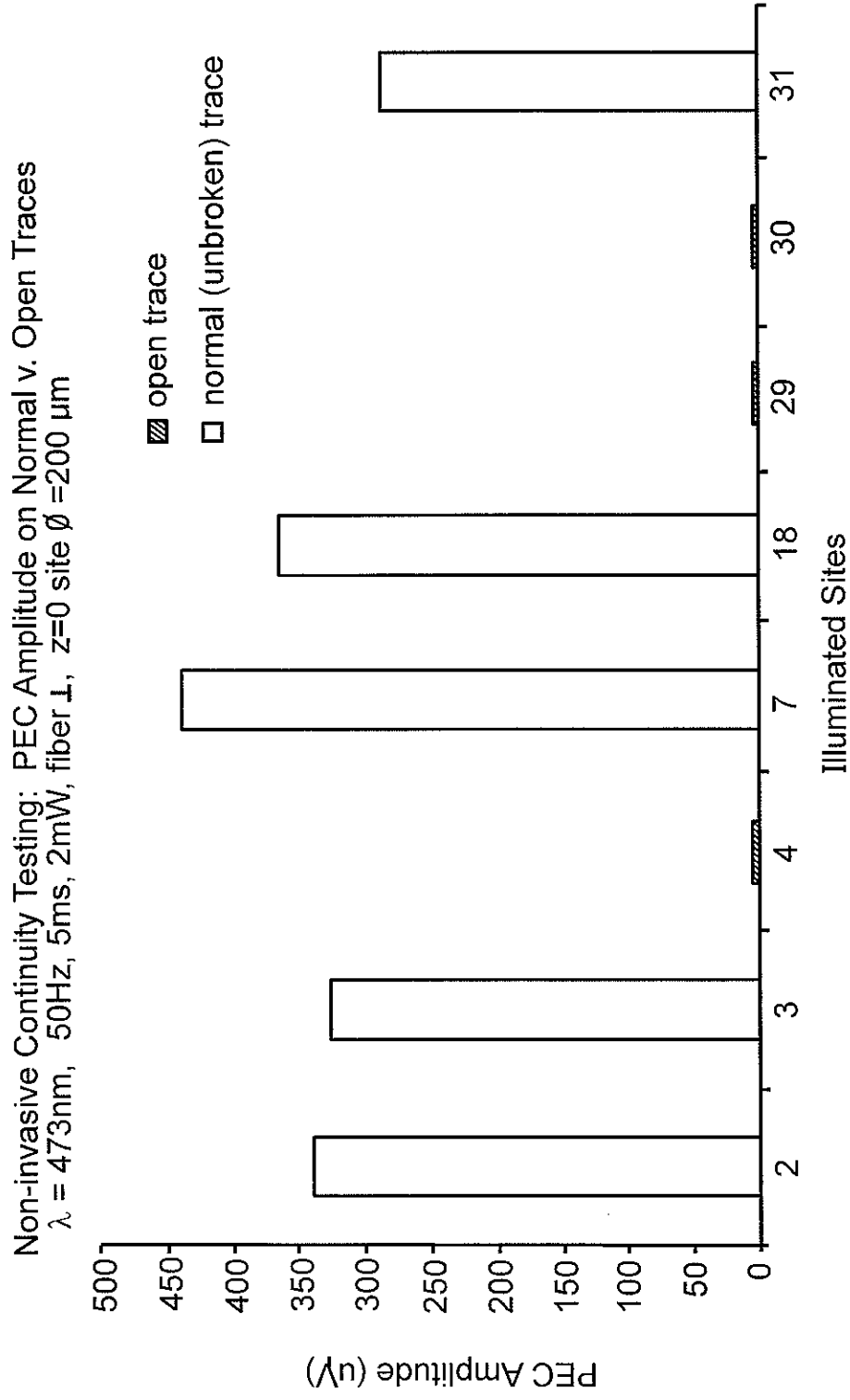


FIG. 12

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FIG. 13A
Galvanostat

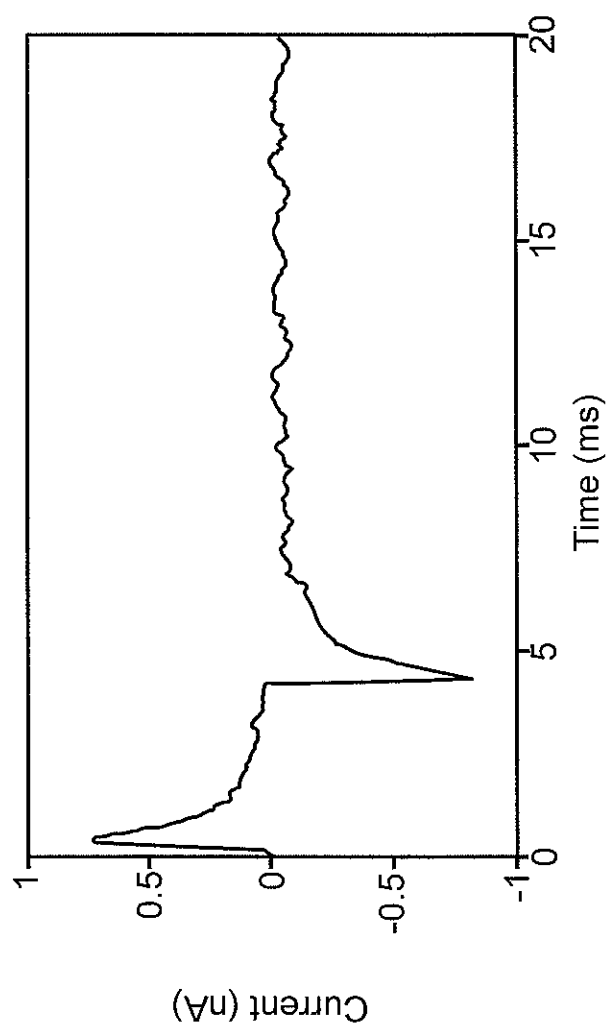
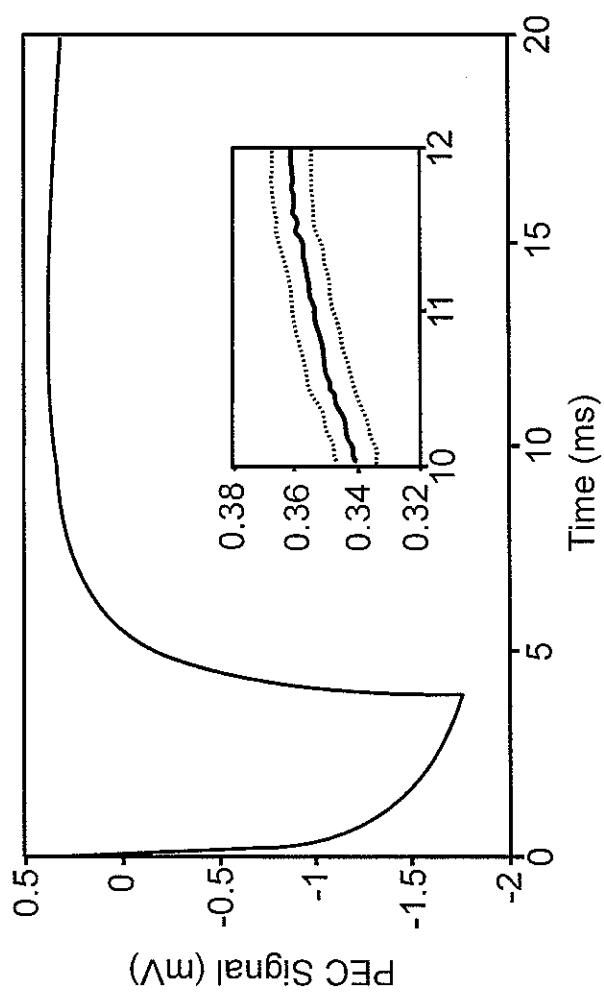


FIG. 13B
Potentiostat



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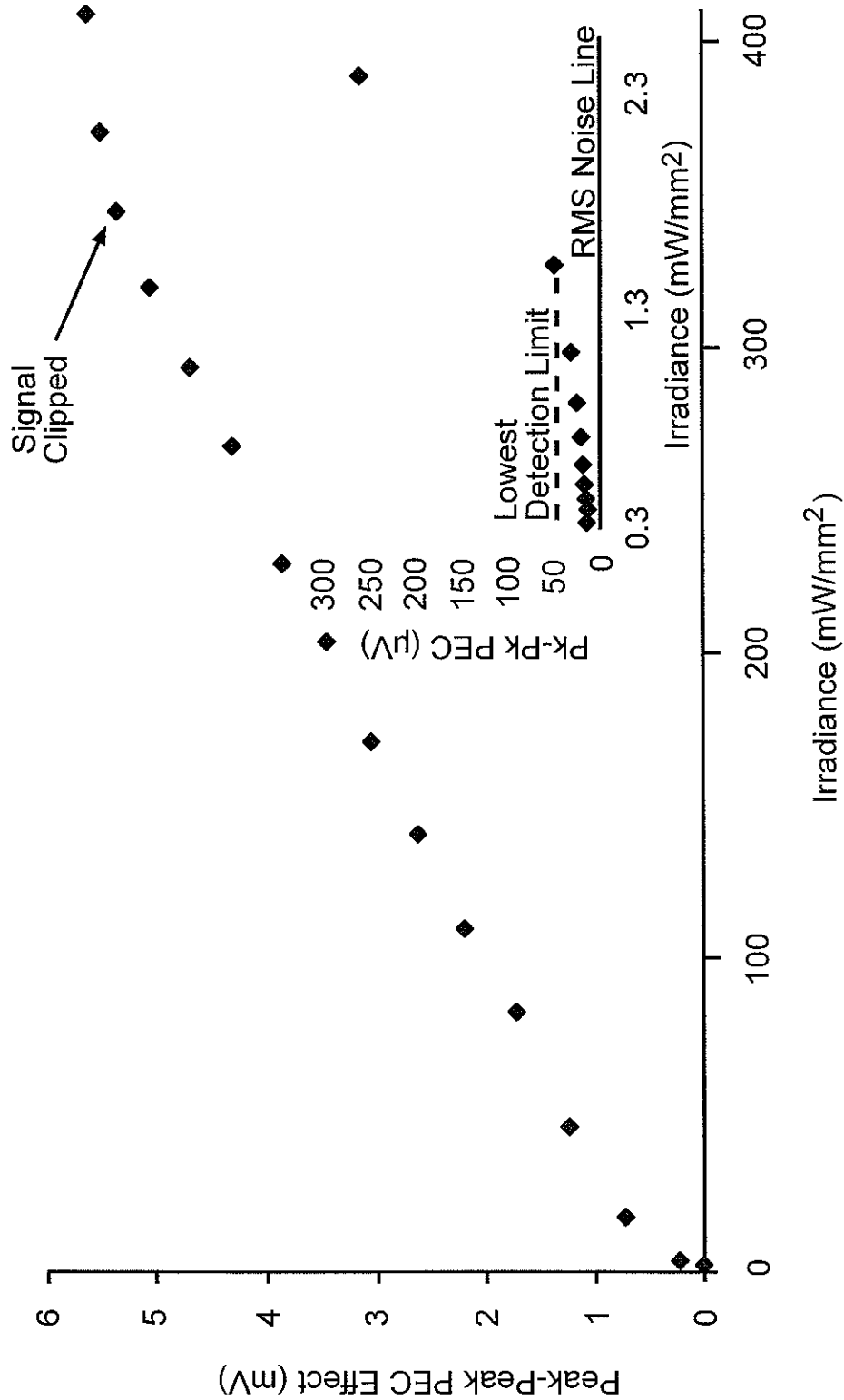


FIG. 14

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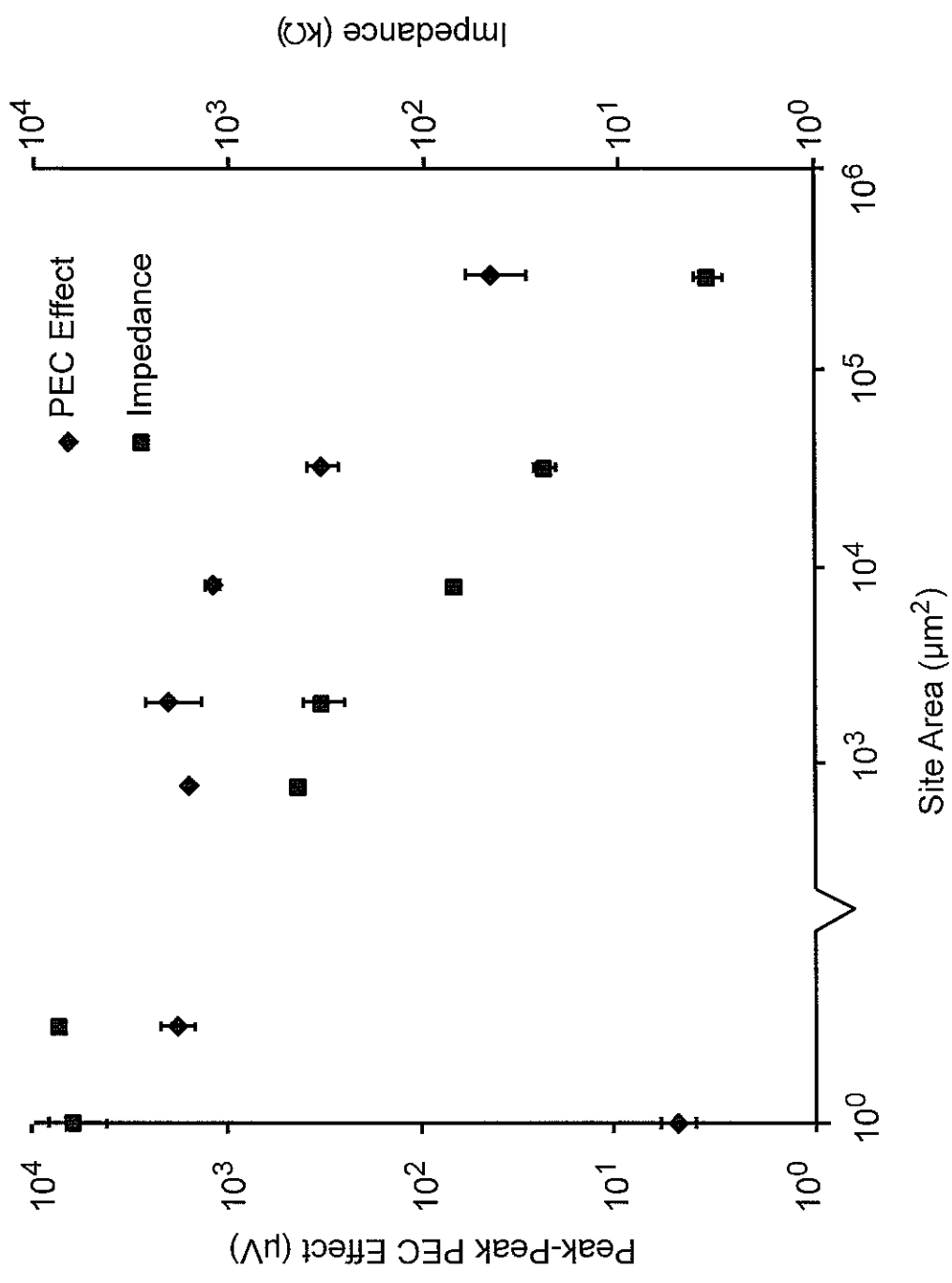


FIG. 15

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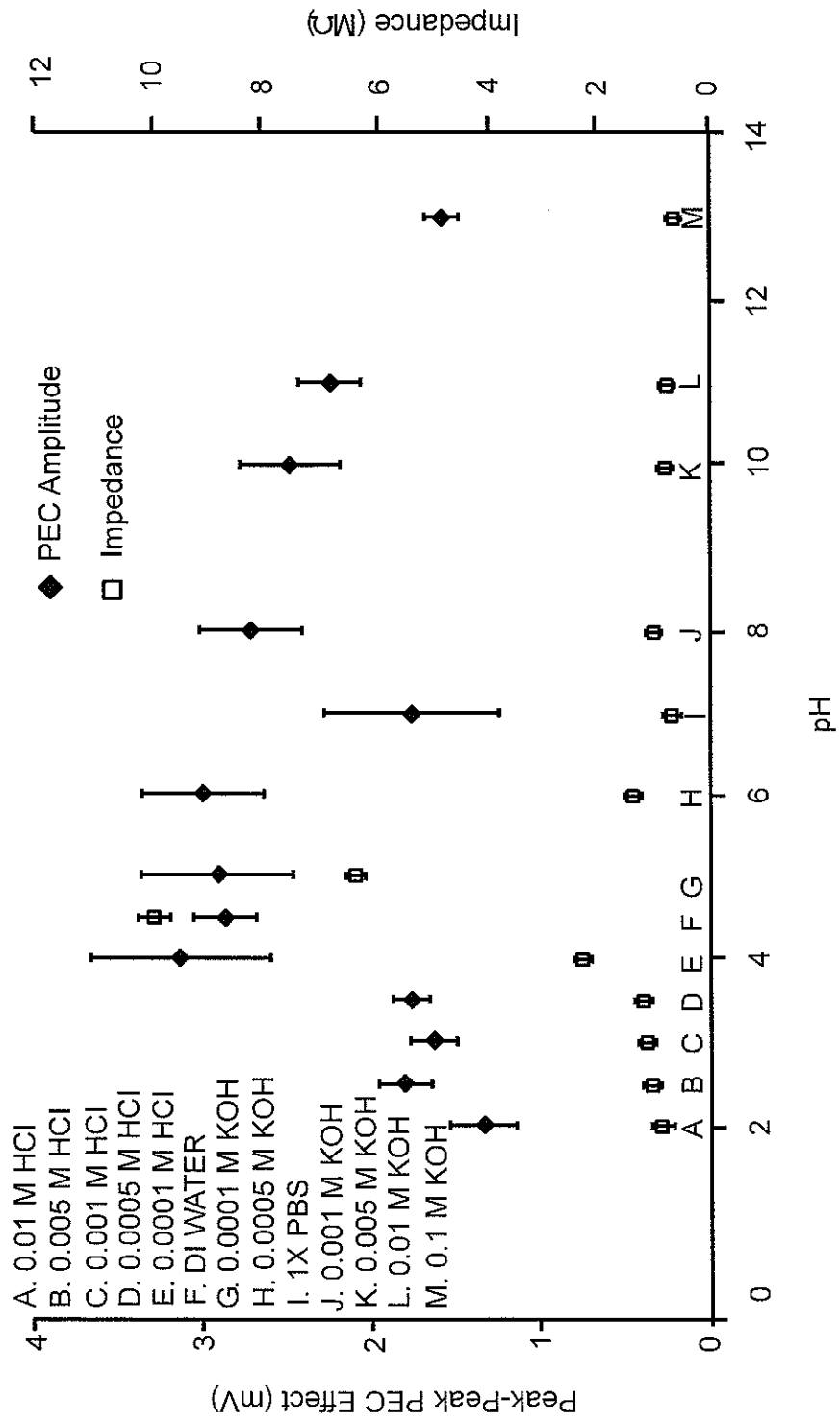


FIG. 16A

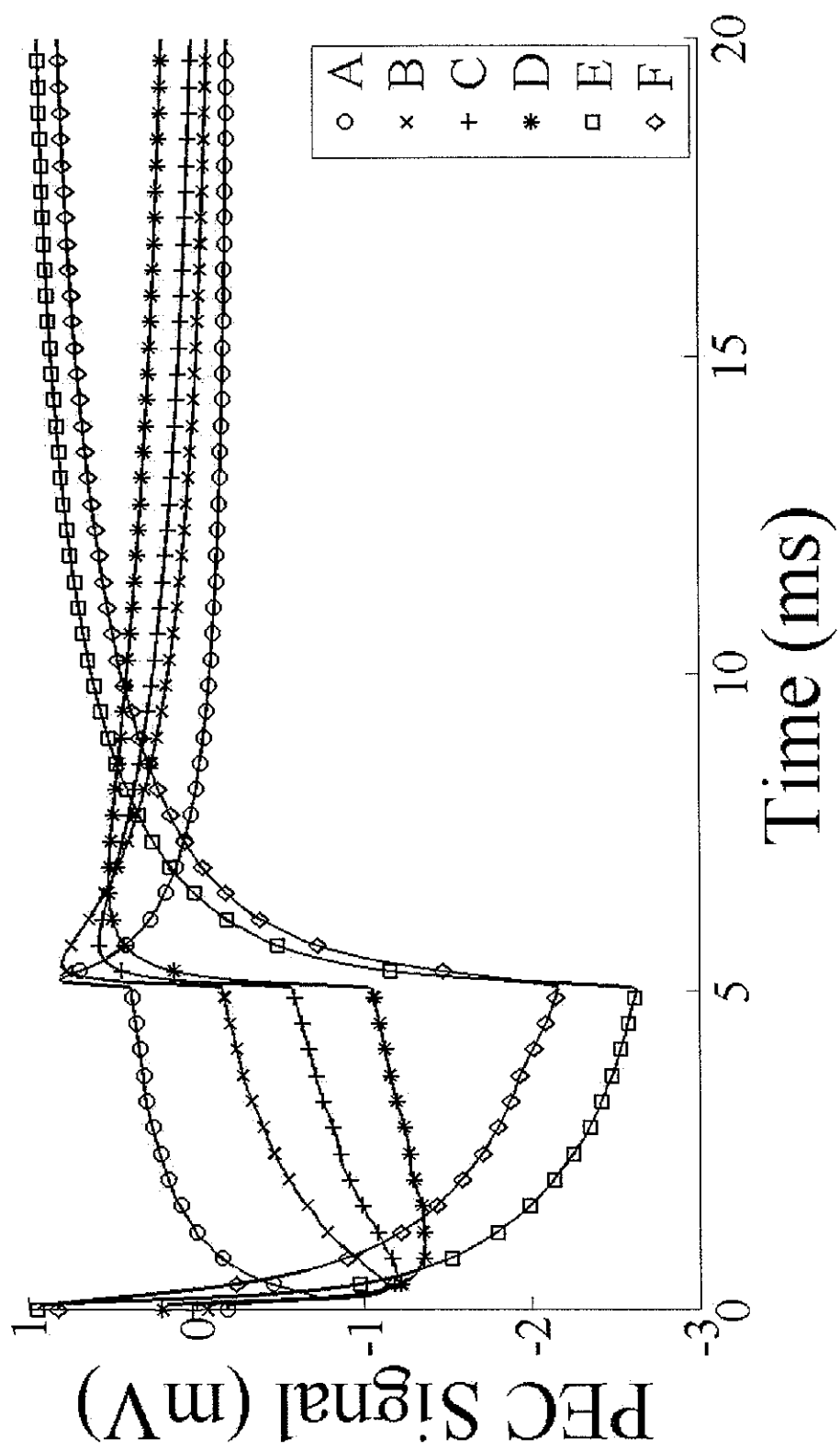


FIG. 16B

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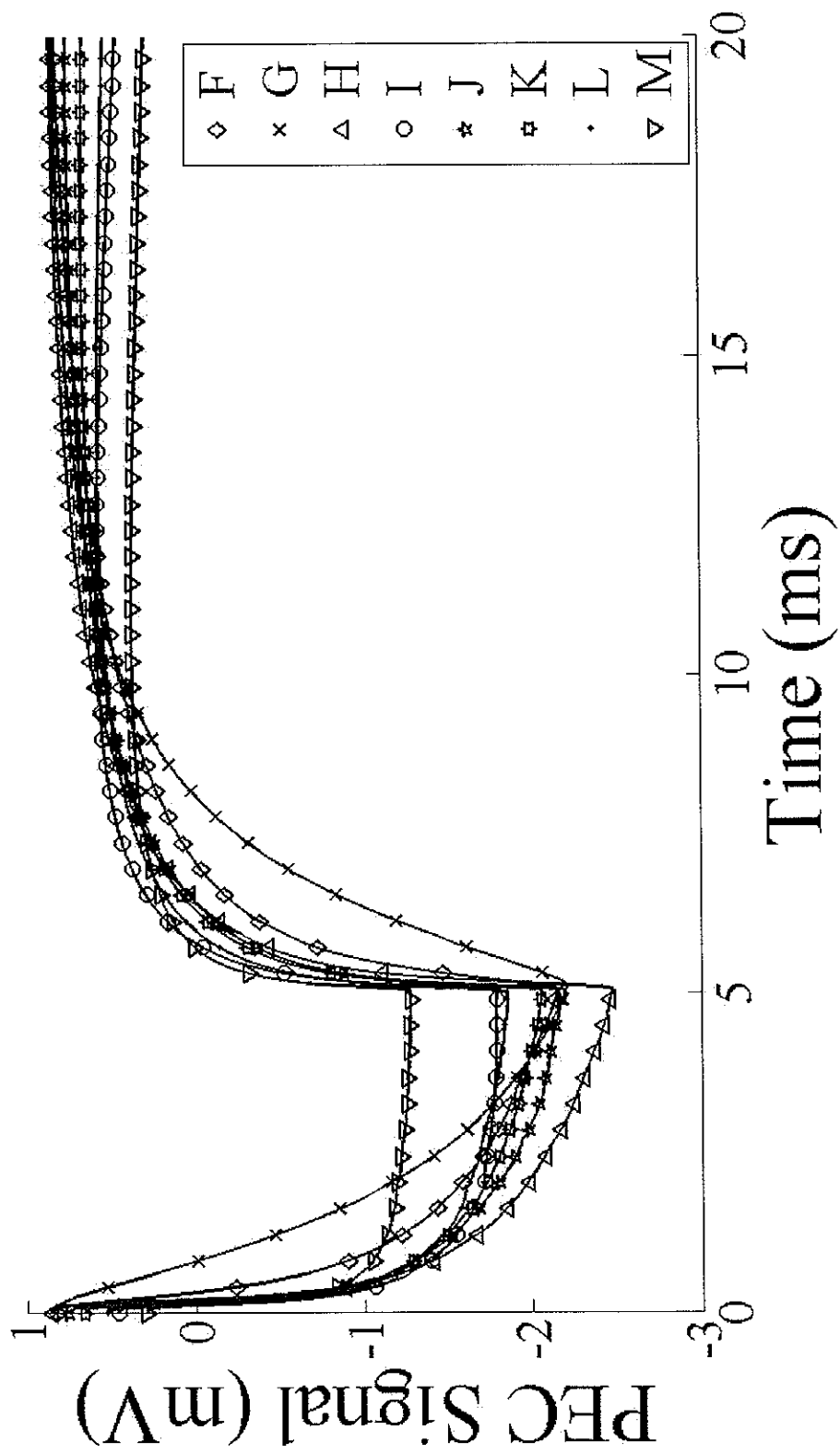


FIG. 16C

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PEC Amplitude vs. Pulse Width at 10 Hz

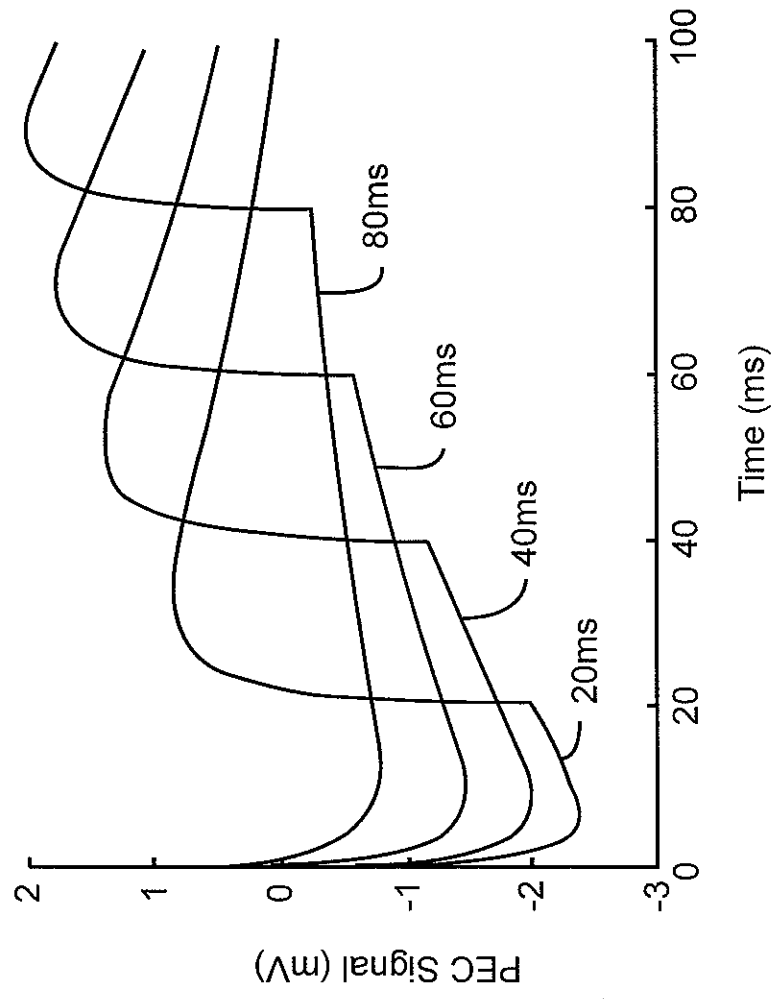


FIG. 17A

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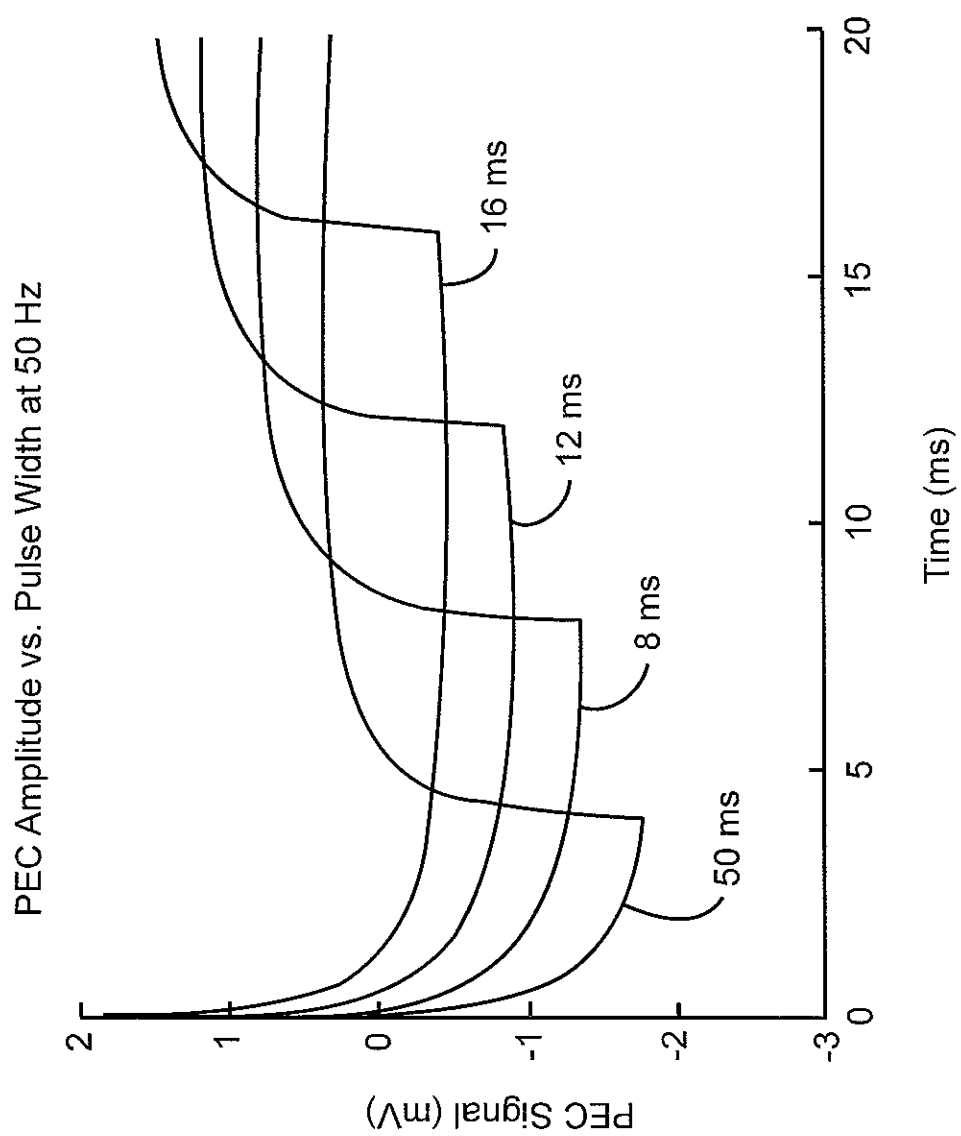


FIG. 17B

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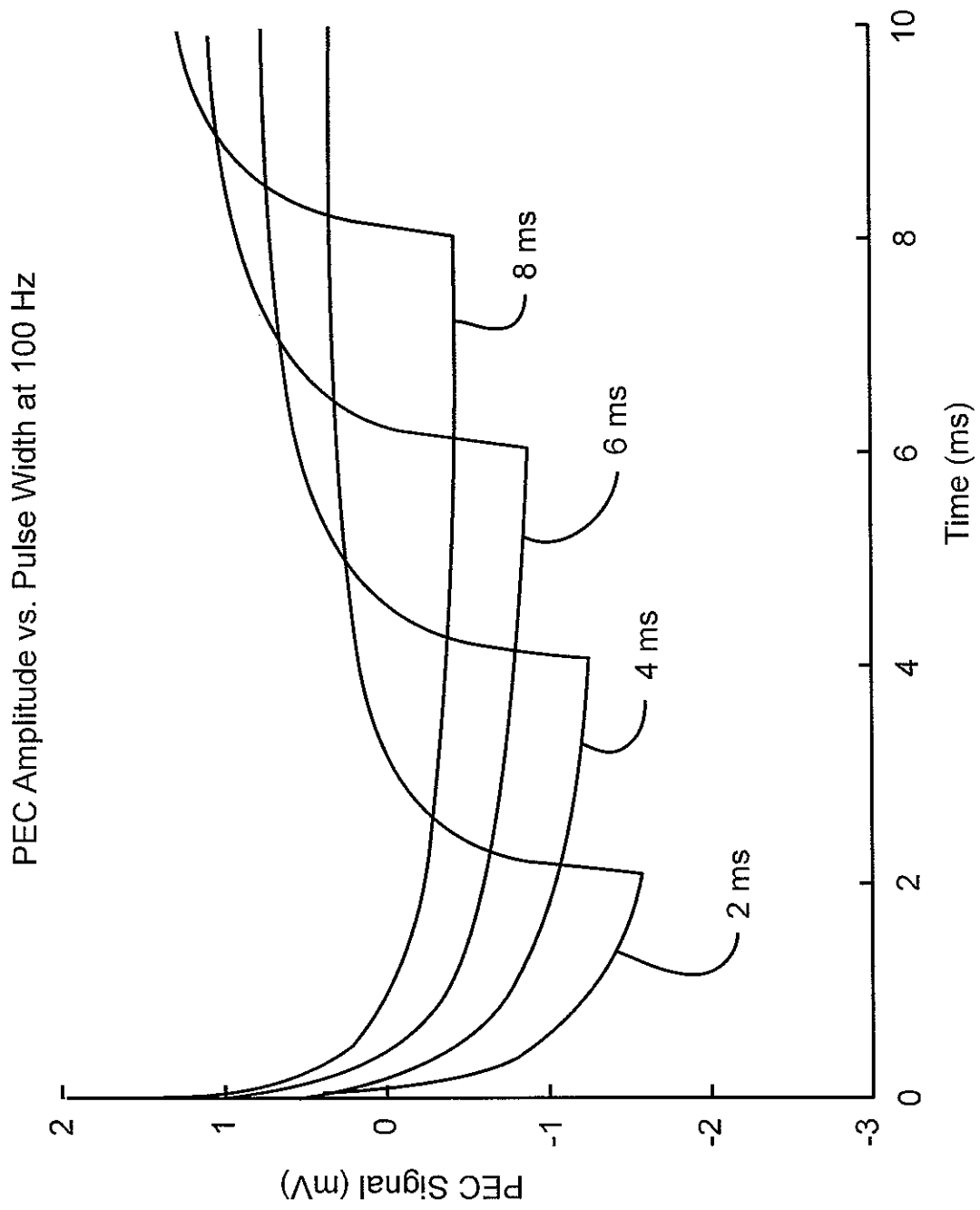


FIG. 17C

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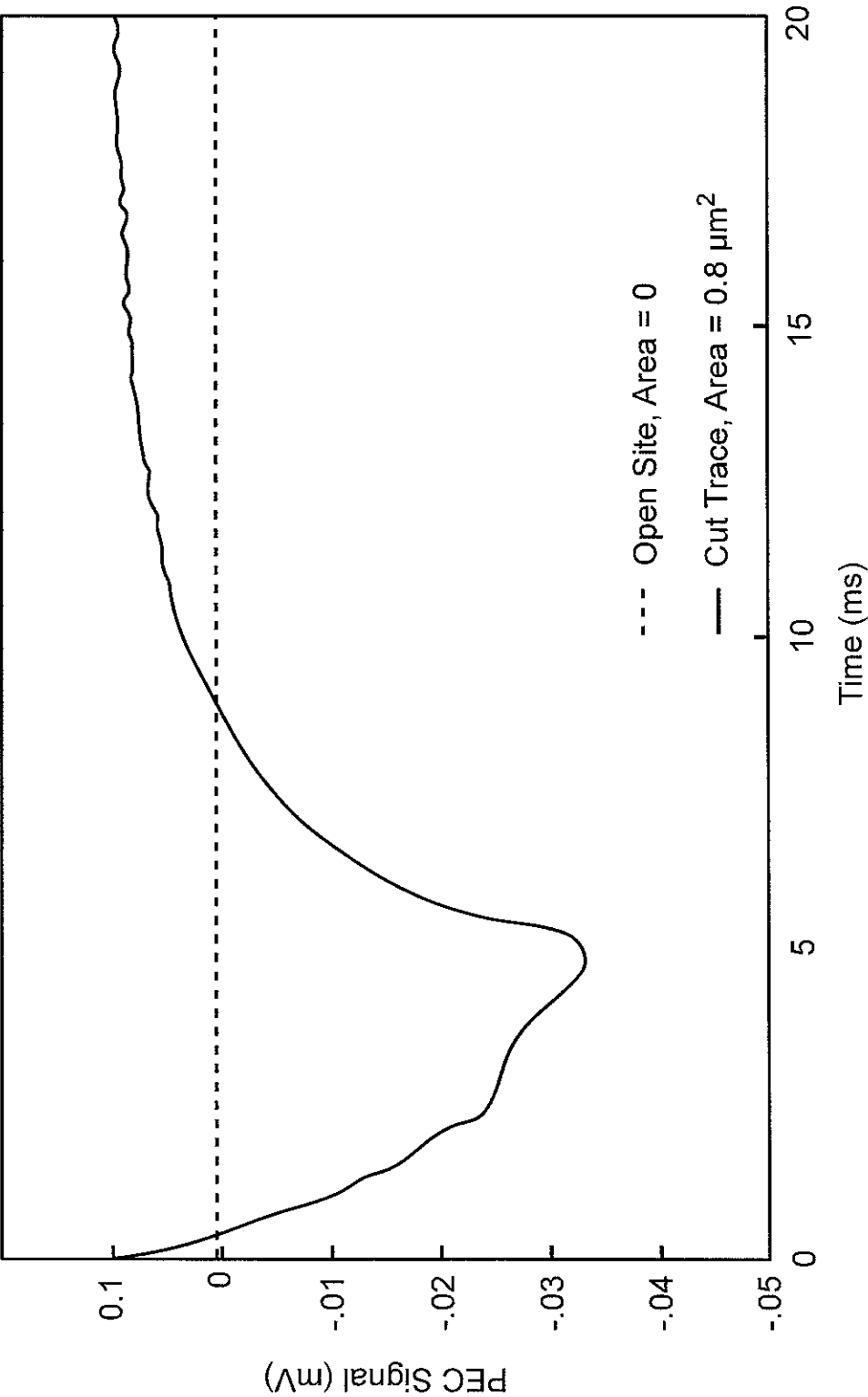


FIG. 18

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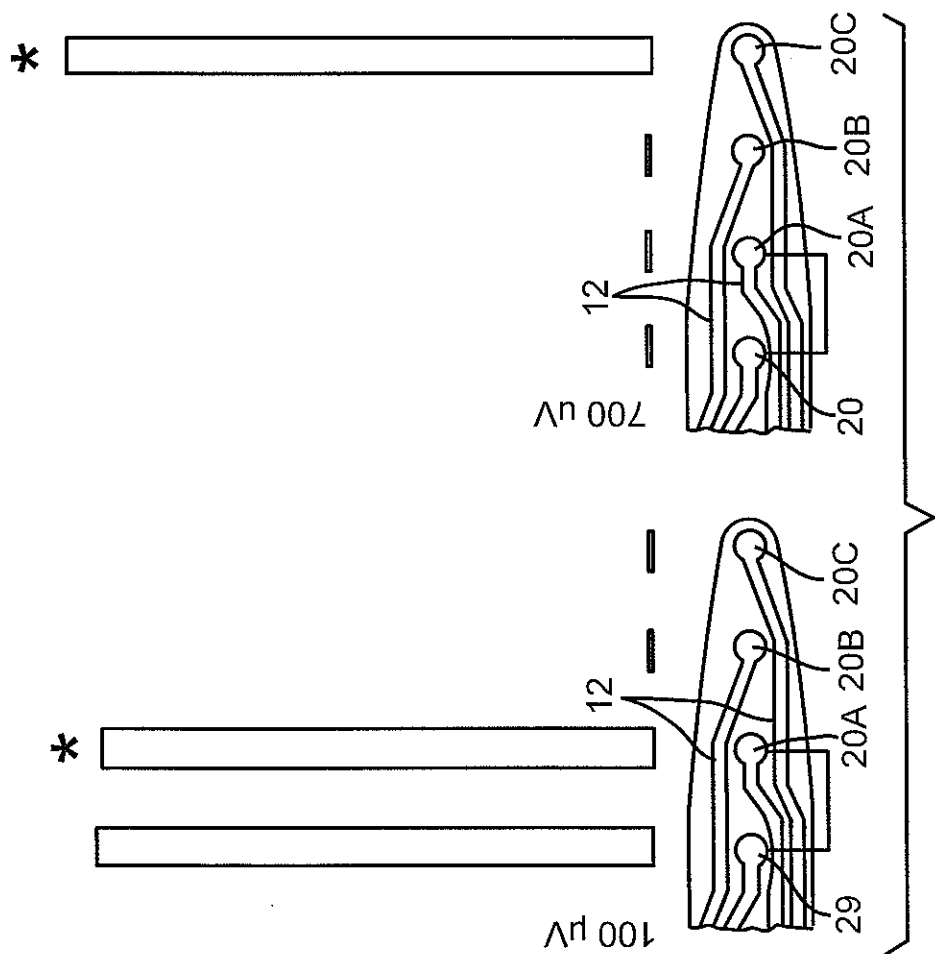


FIG. 19A

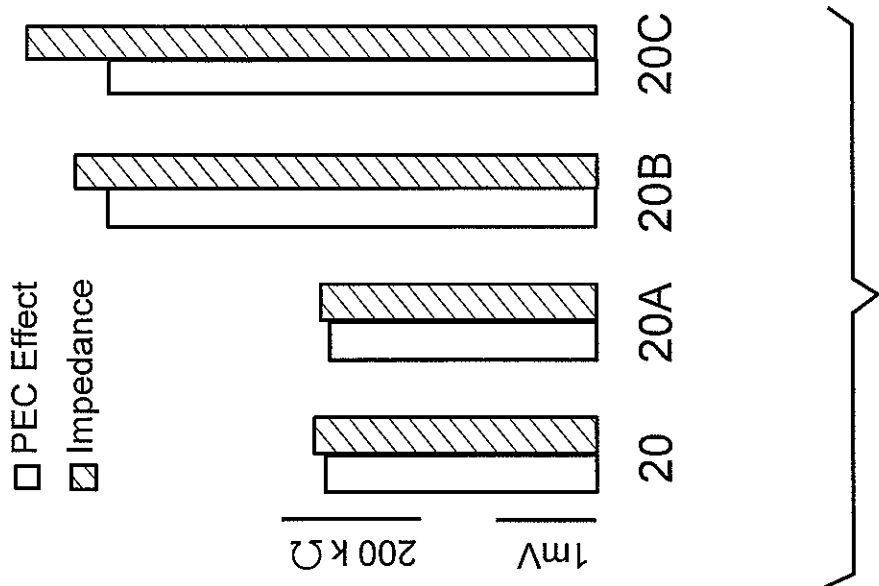


FIG. 19B

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PEC Amplitude as Function of Wavelength
ECoG Probe, 50 Hz, 5ms, 2mW, fiber $\perp$, d=0, site ϕ =200 μ m

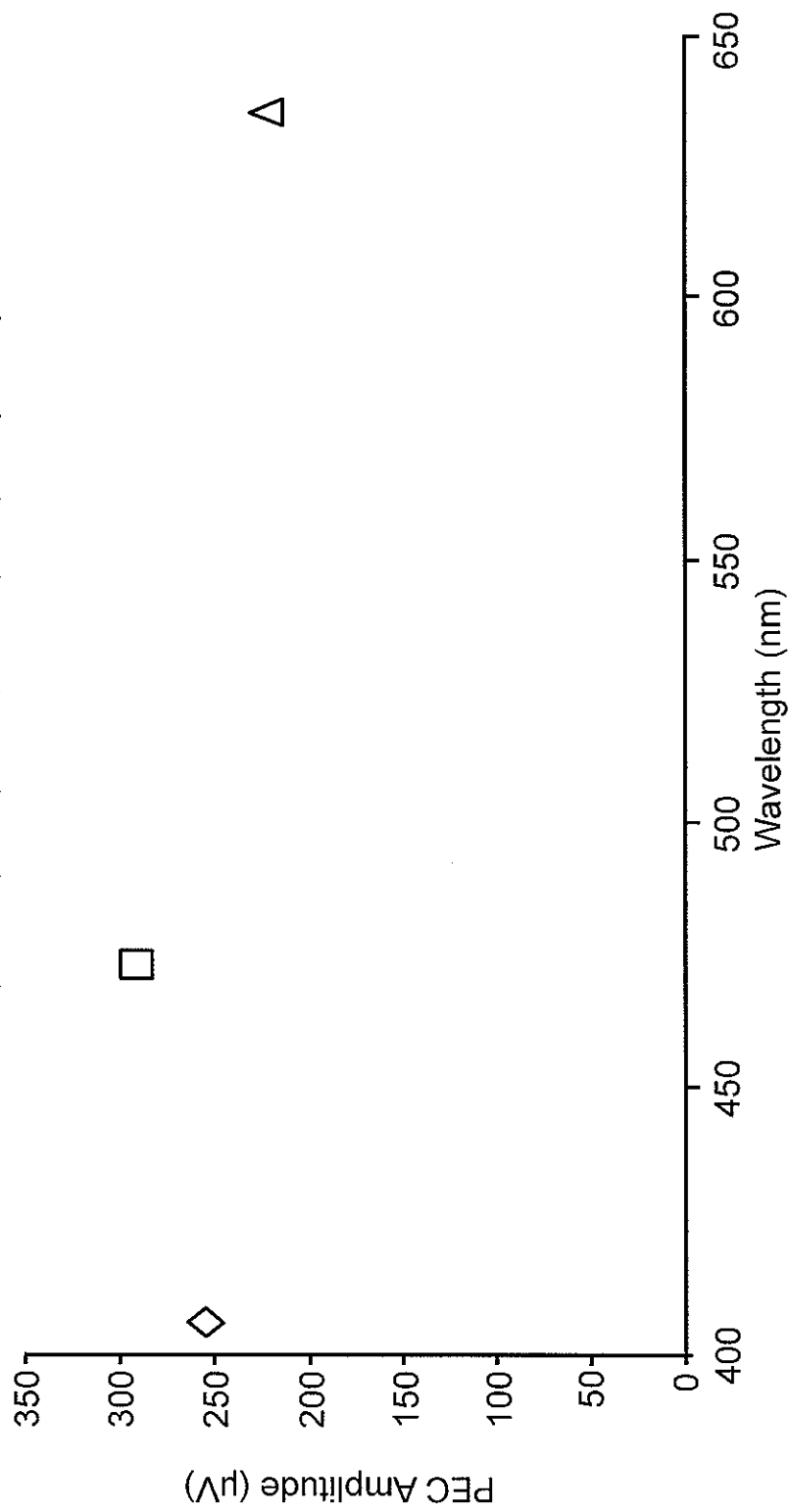


FIG. 20

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