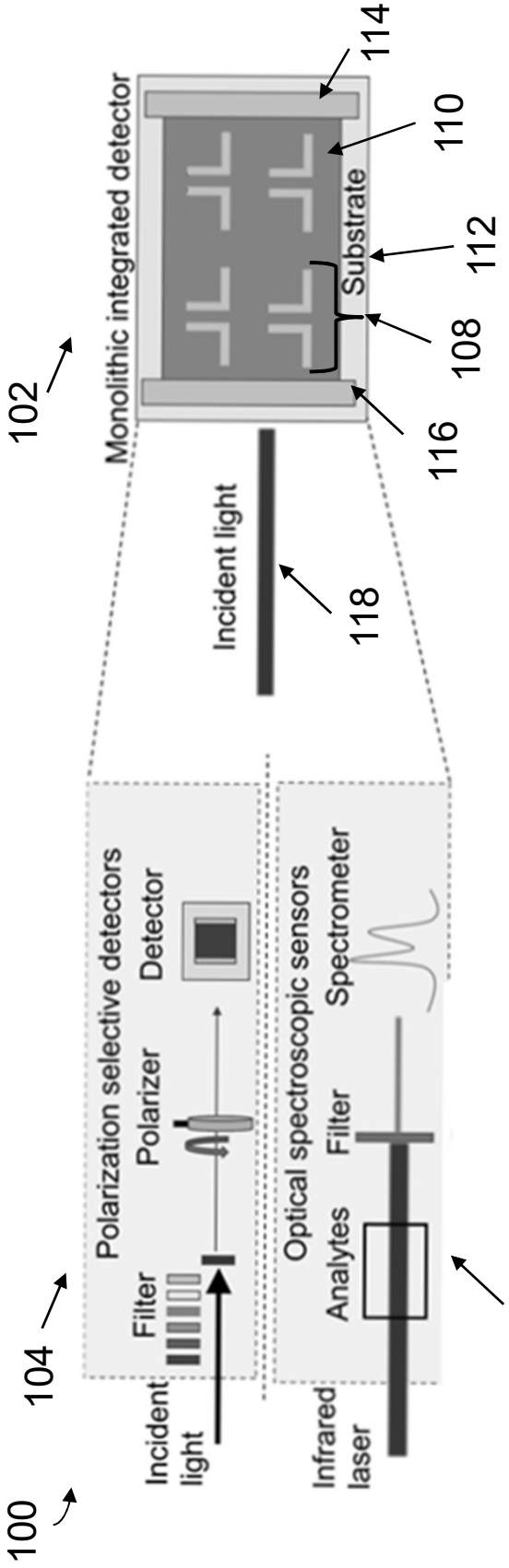
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104
106
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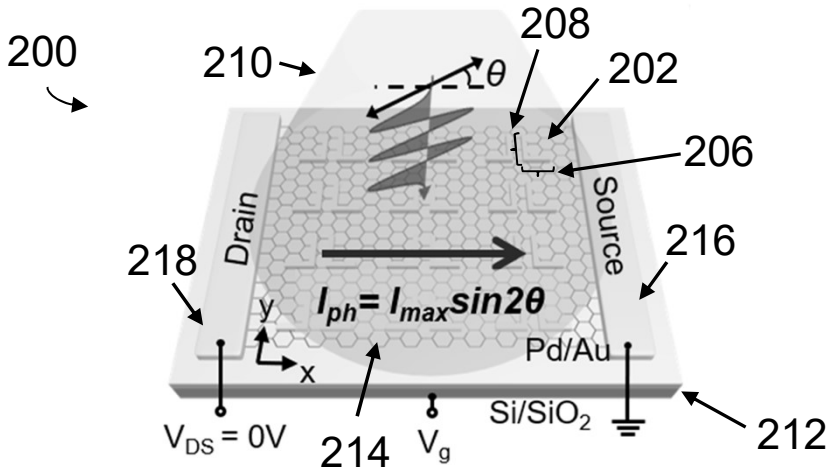
112
114
116
118
Monolithic integrated detector
Substrate
Incident light
Polarization selective detectors
Filter
Polarizer
Detector
Incident light
Optical spectroscopic sensors
Analytes
Filter
Spectrometer
Infrared laser

Figure 1



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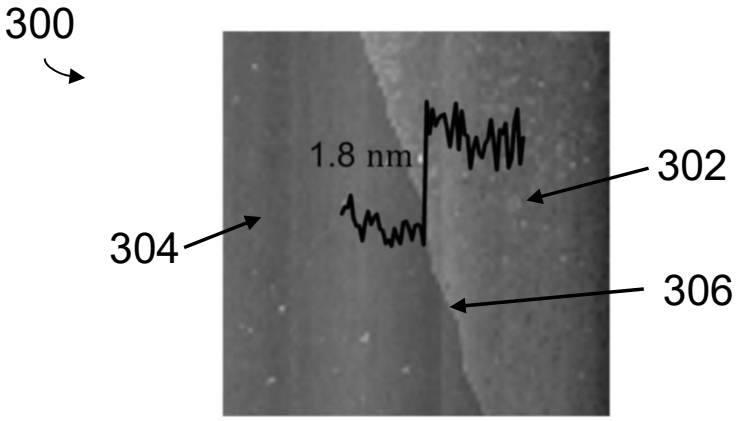

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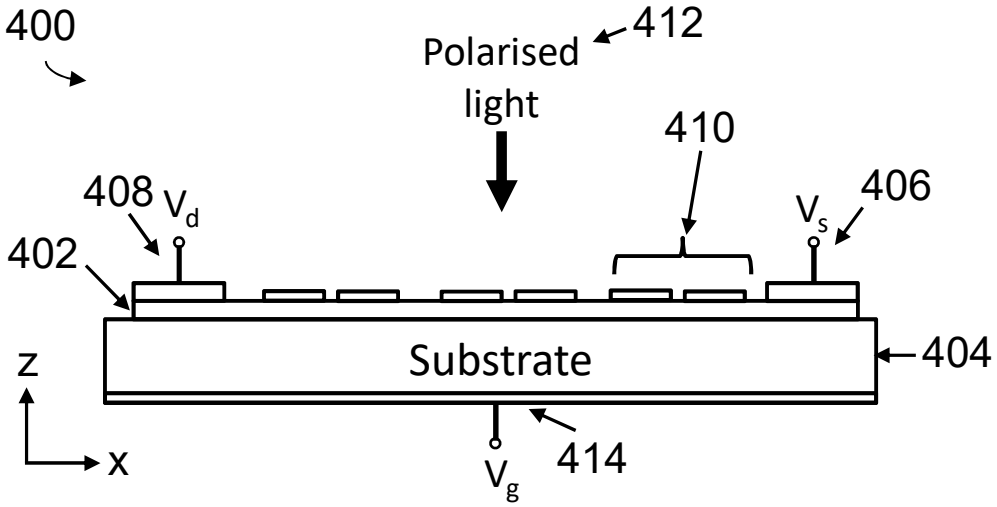

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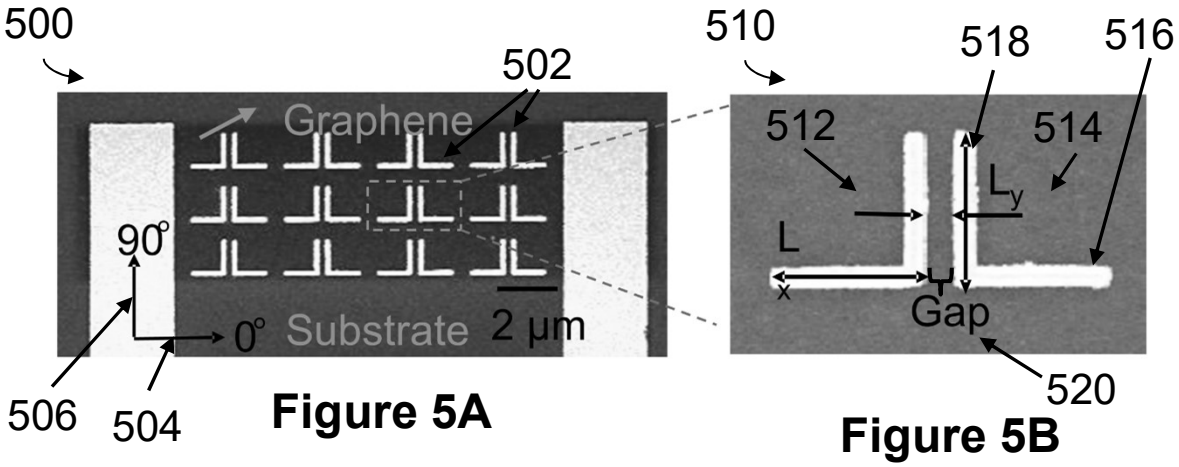


Figure 5A

Figure 5B

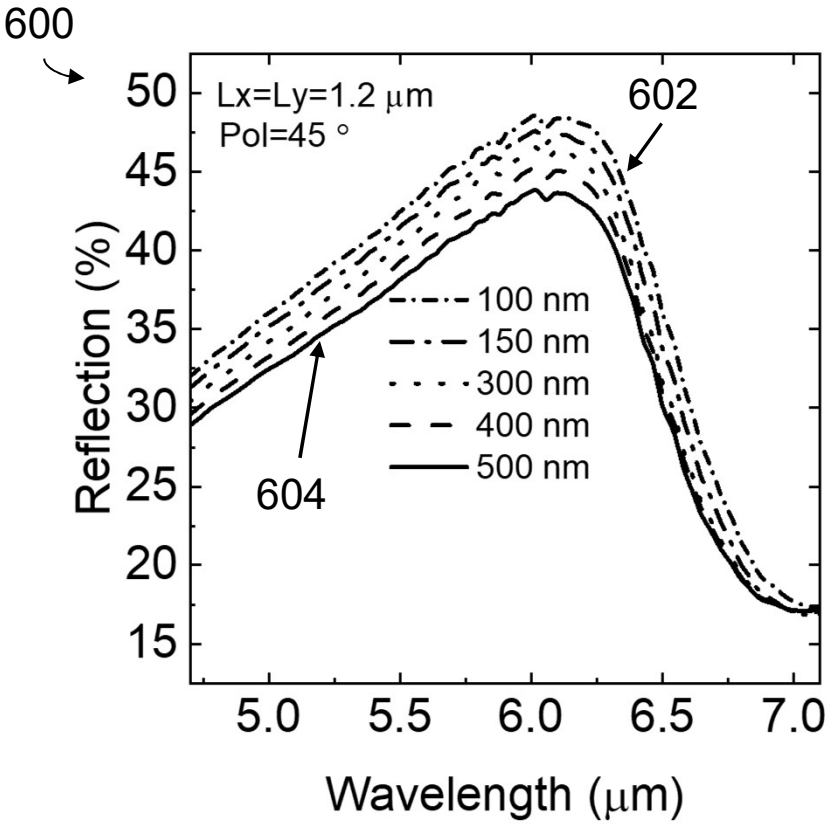
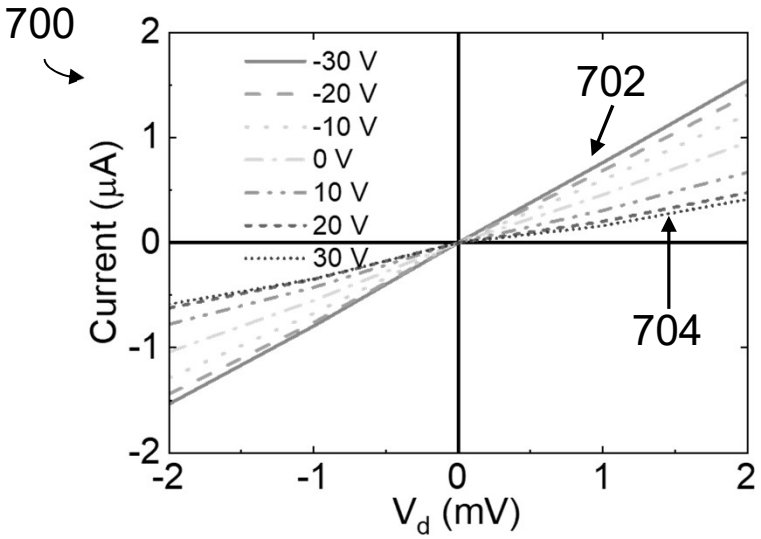


Figure 6



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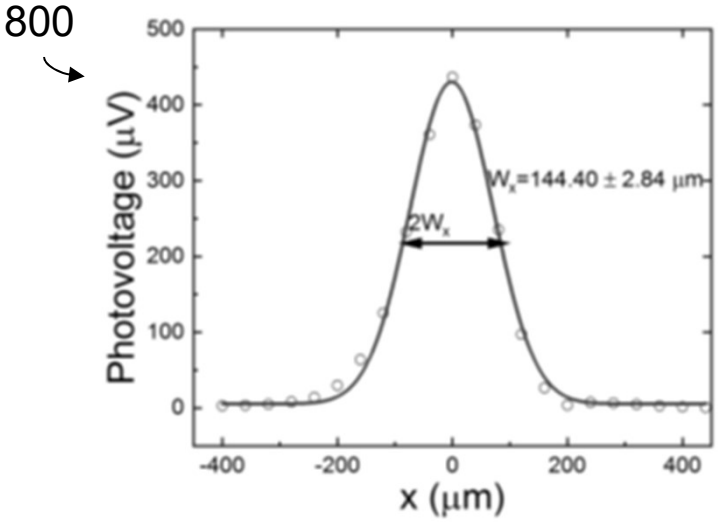


Figure 8A

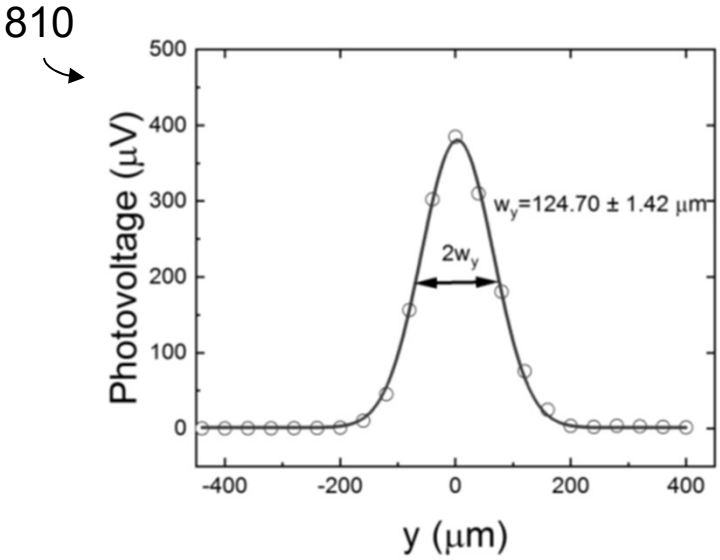
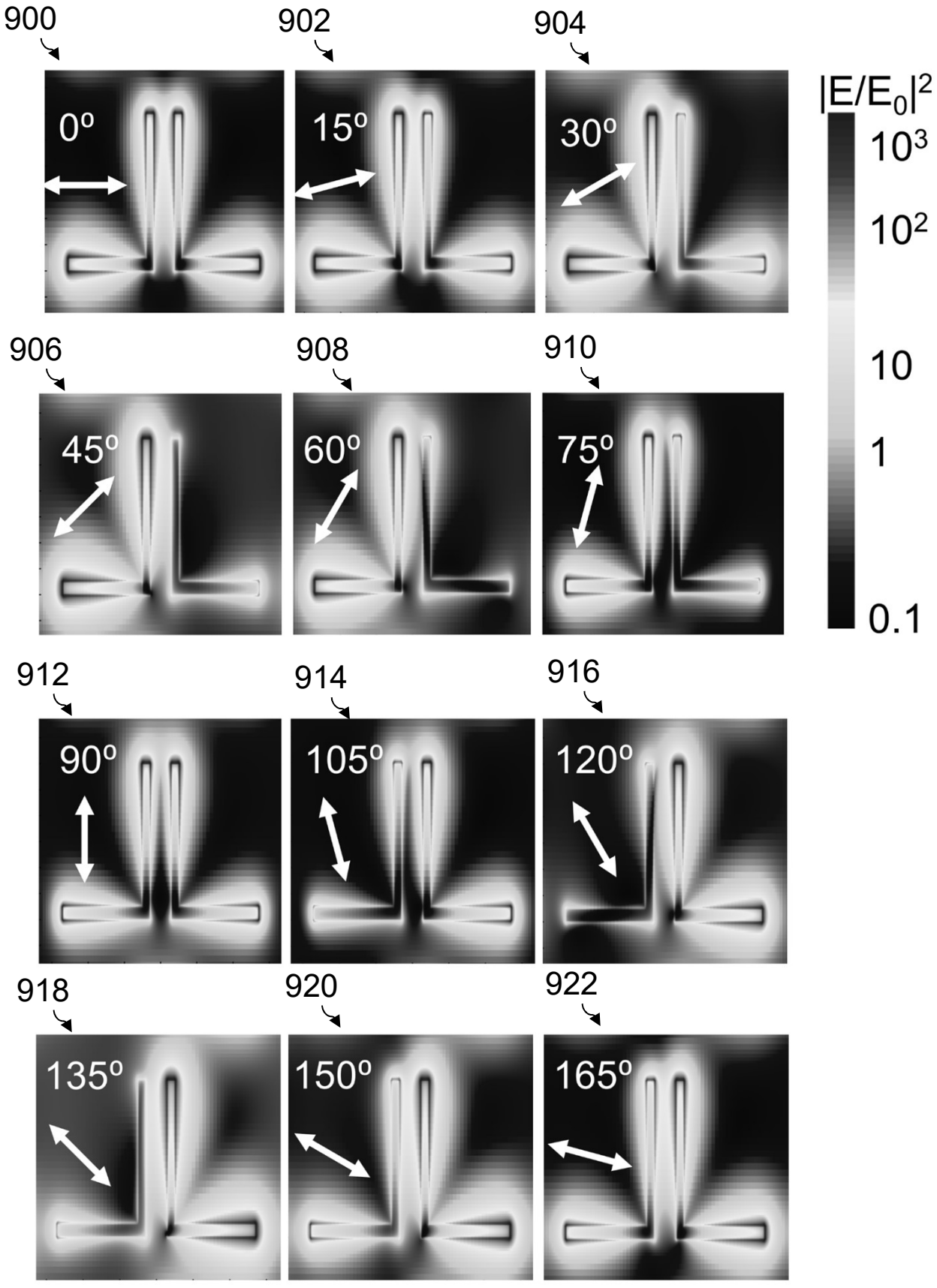


Figure 8B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922
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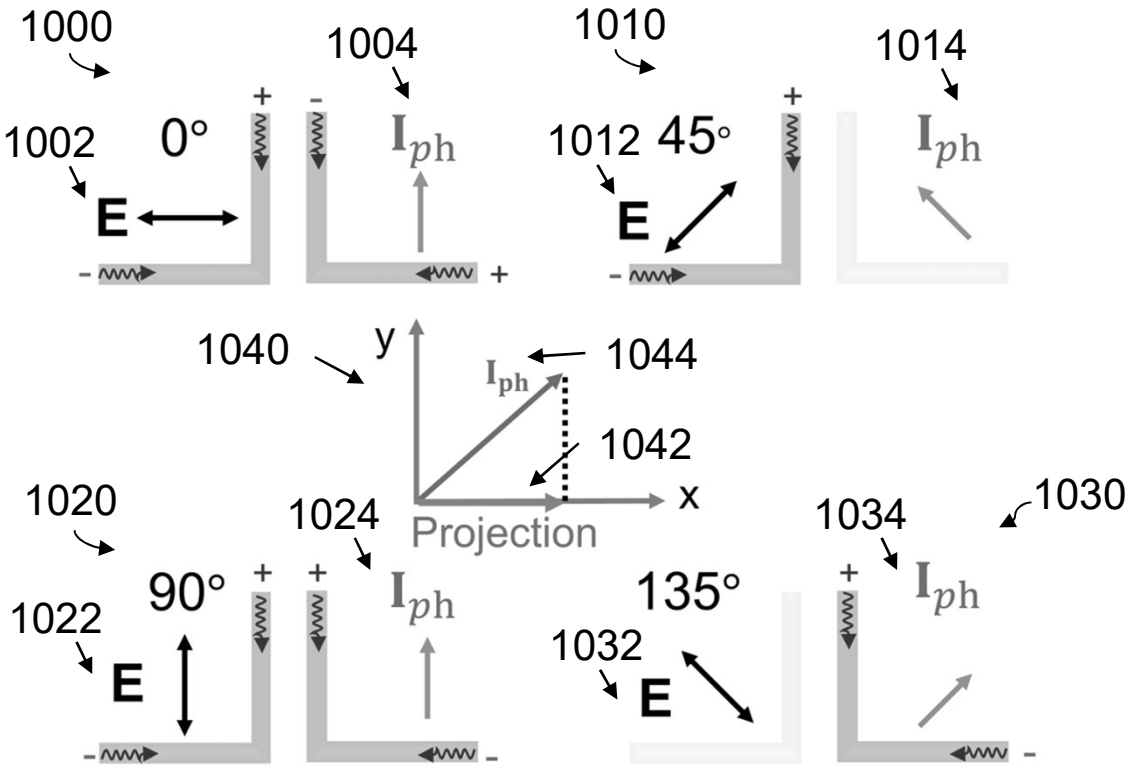
10
1
0.1

Figure 9



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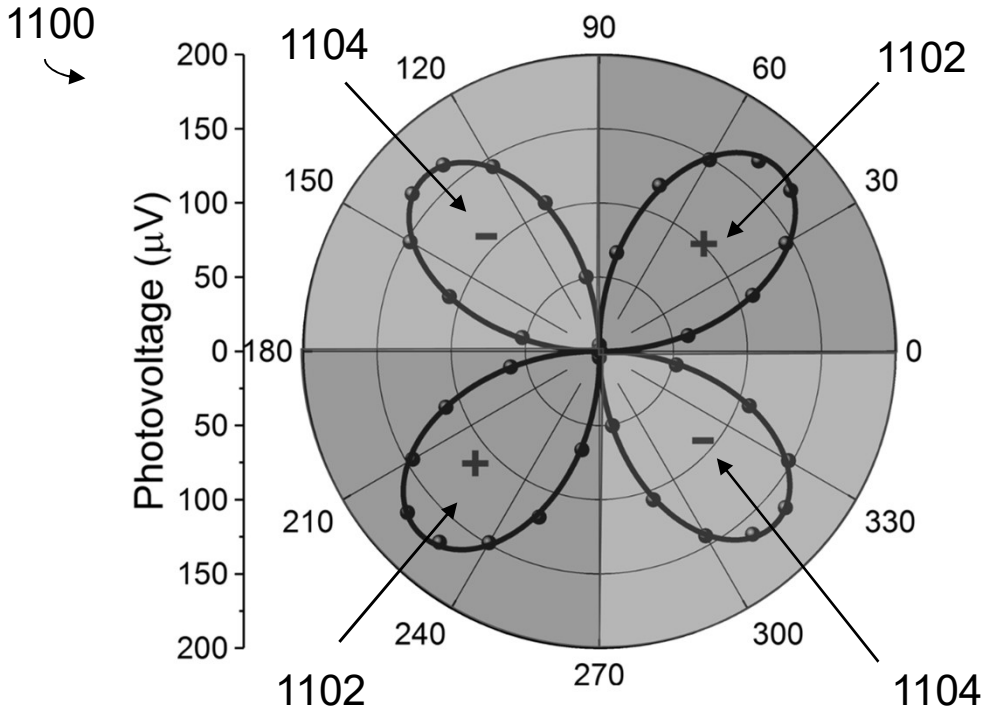

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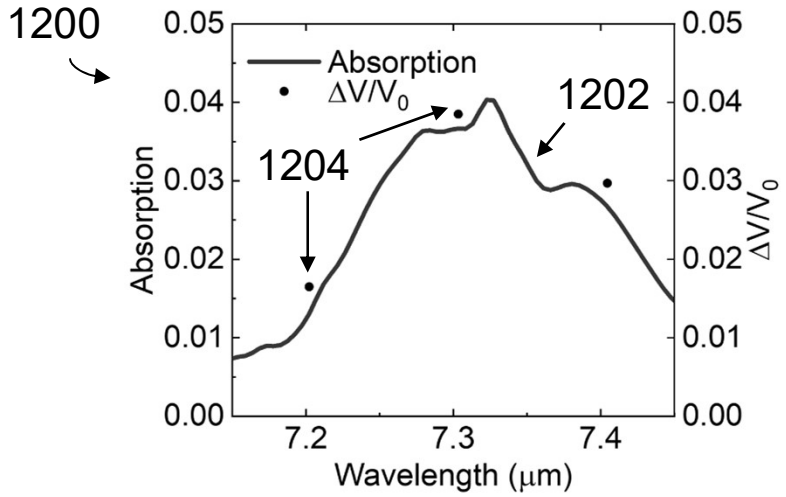

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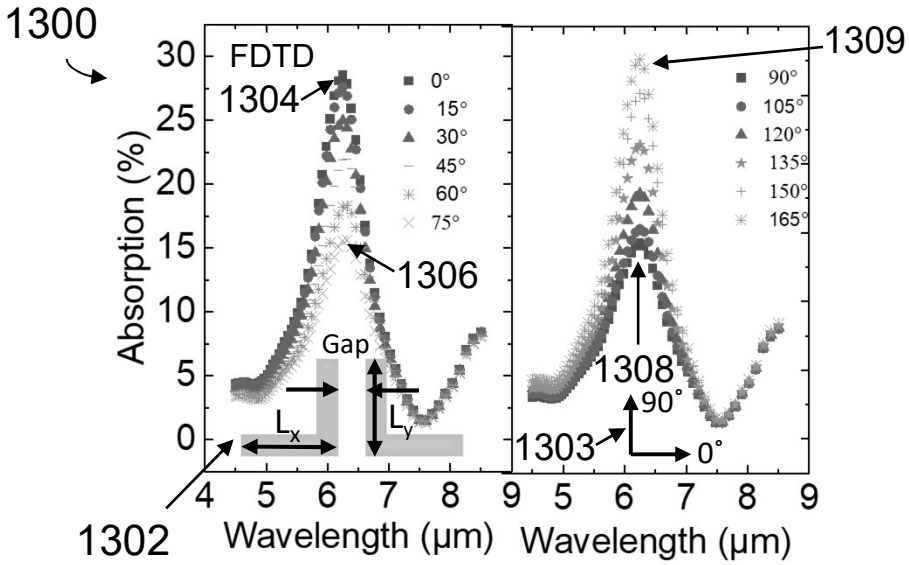


Figure 13A

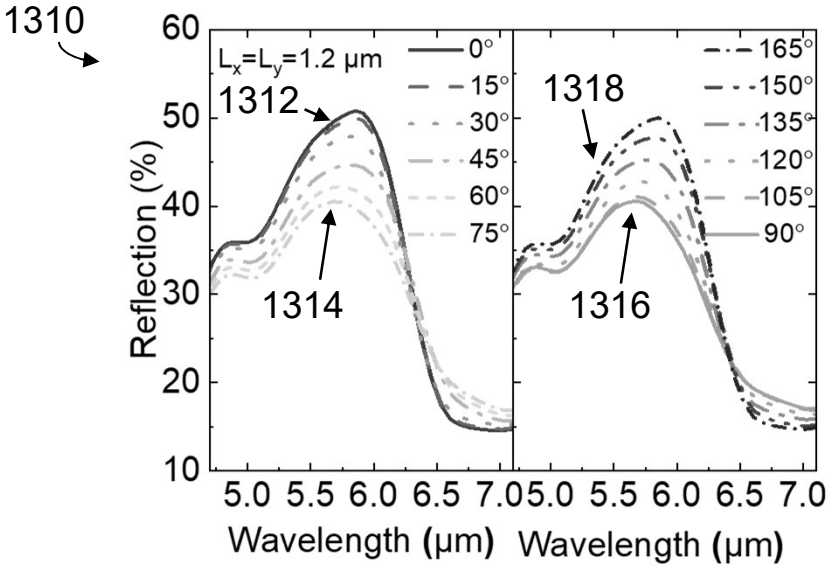
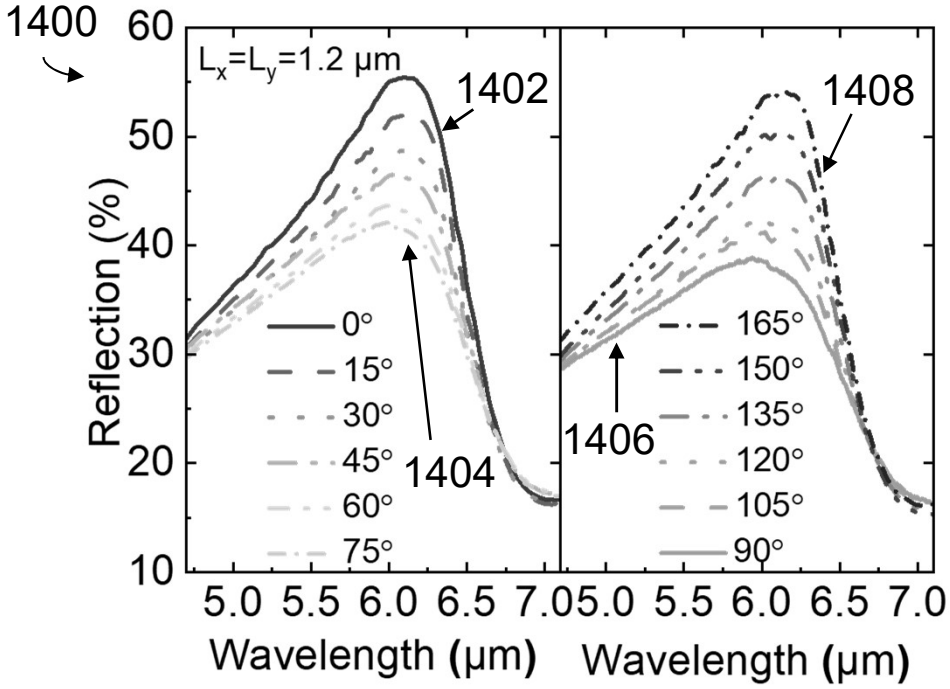


Figure 13B



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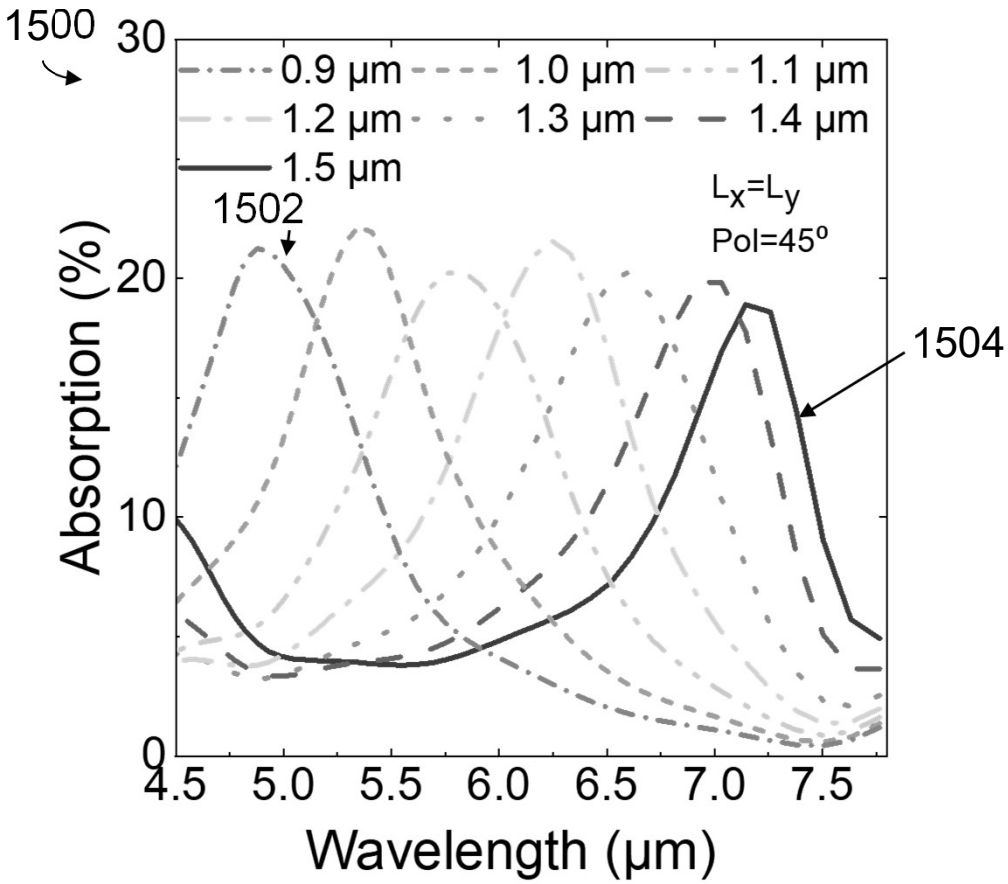


Figure 15A

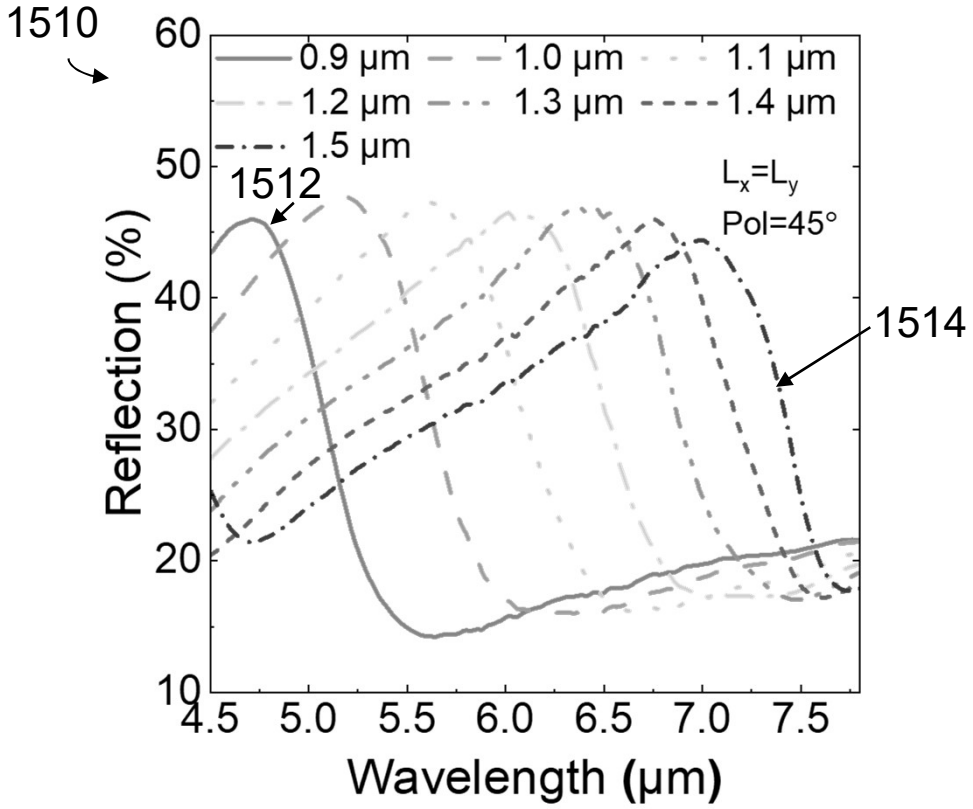


Figure 15B

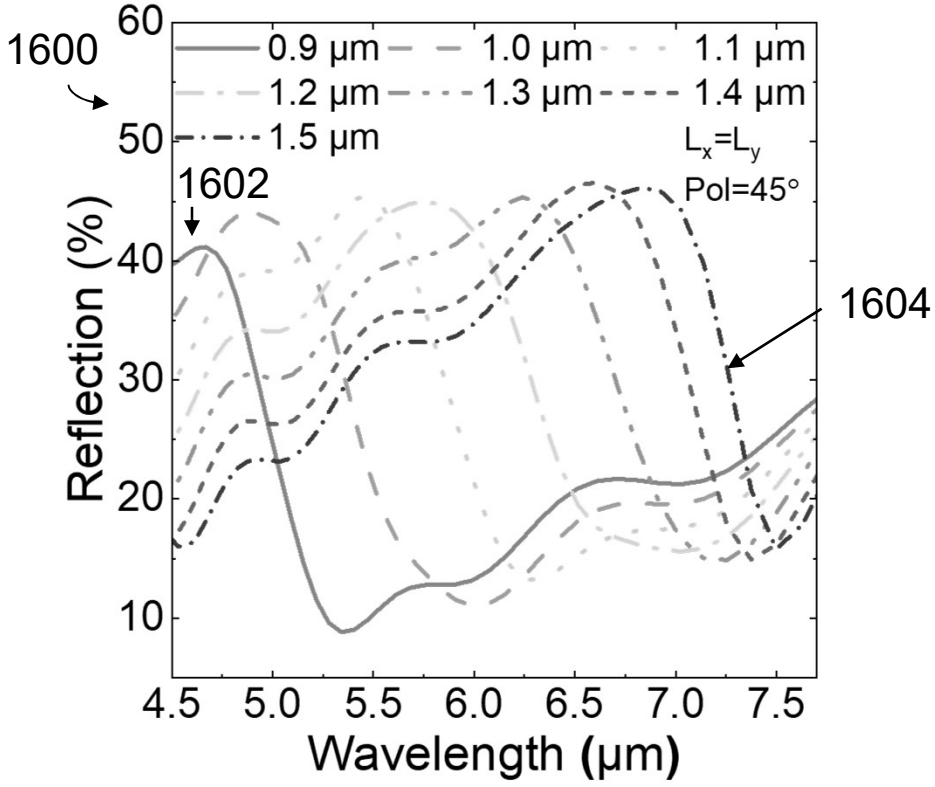
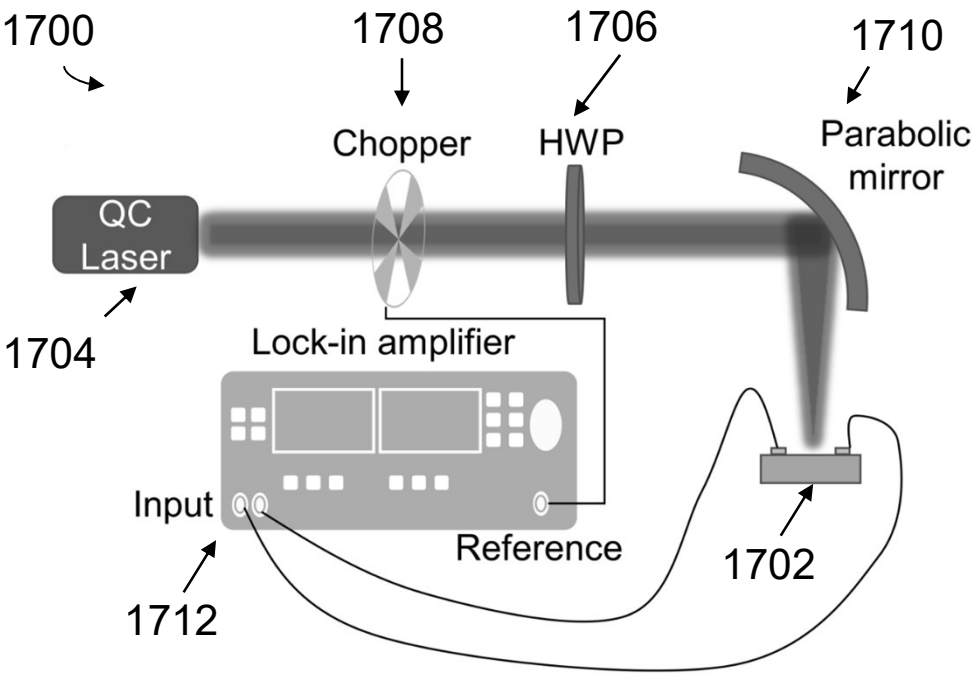


Figure 16



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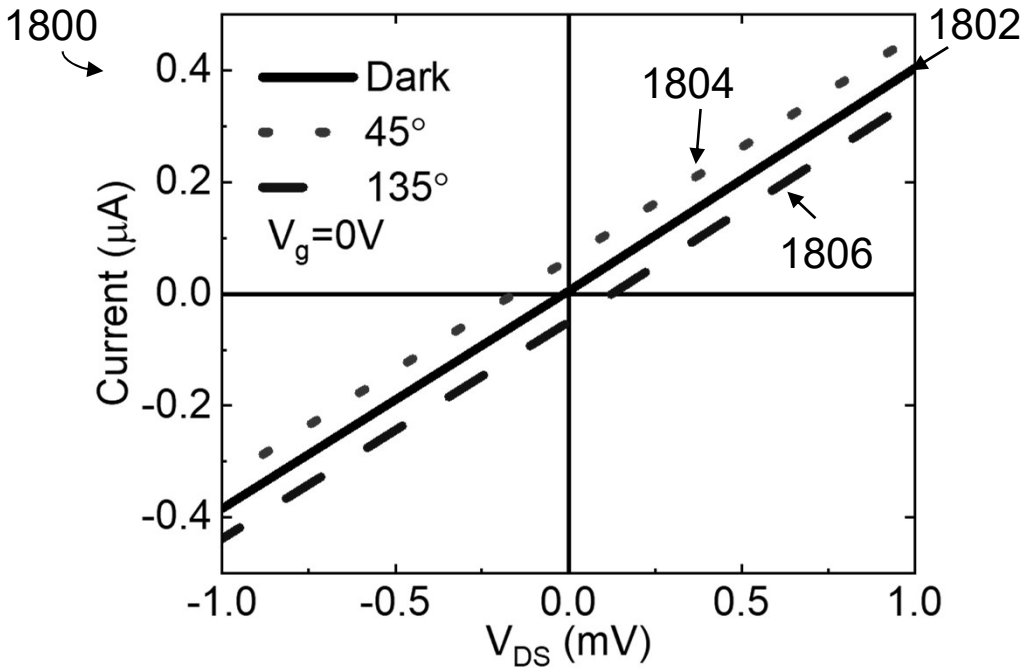

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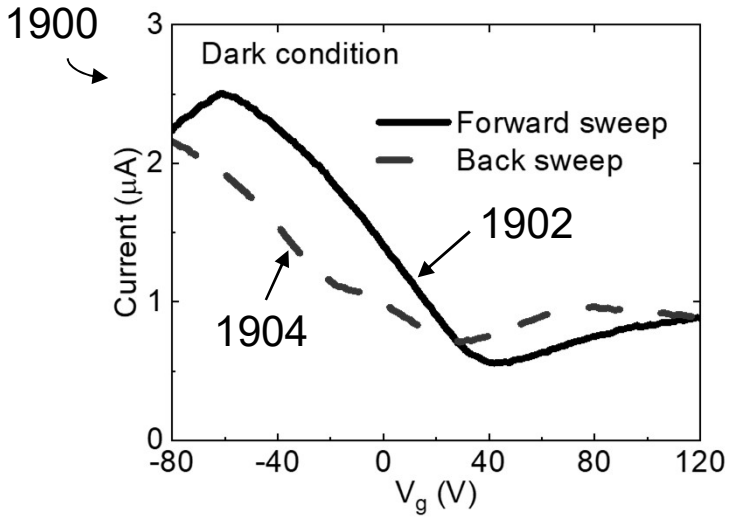

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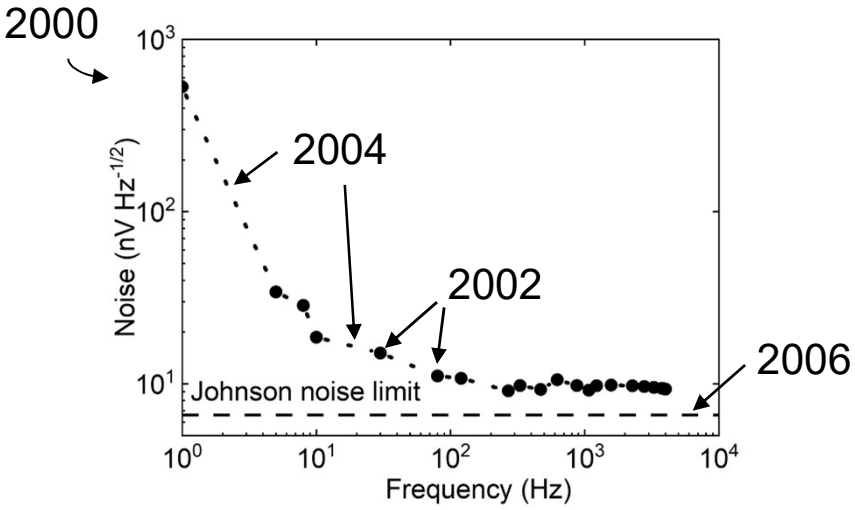
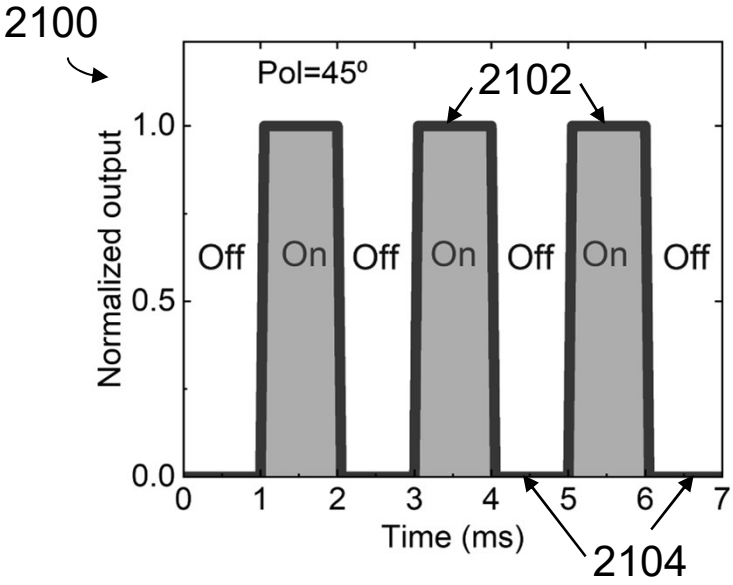


Figure 20



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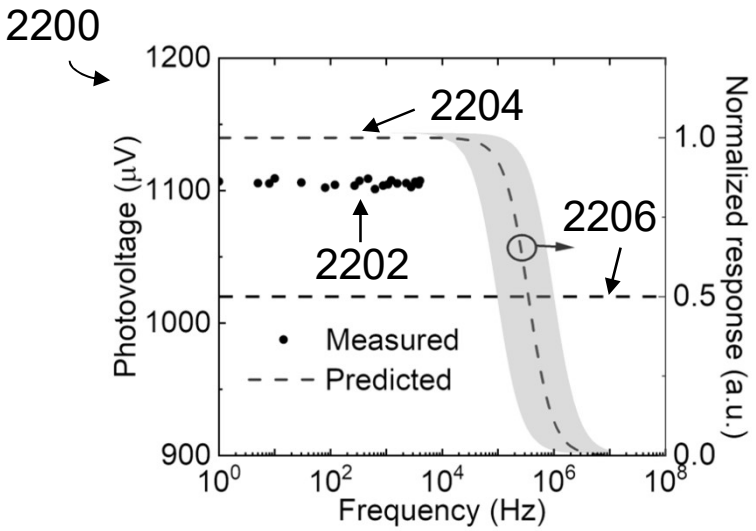

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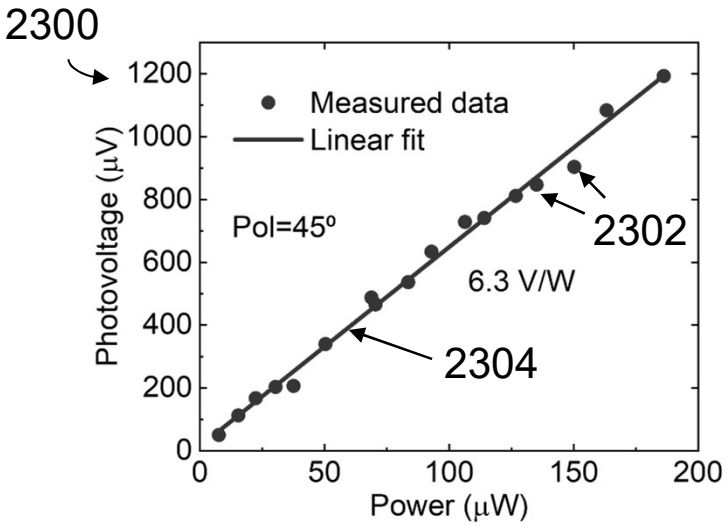

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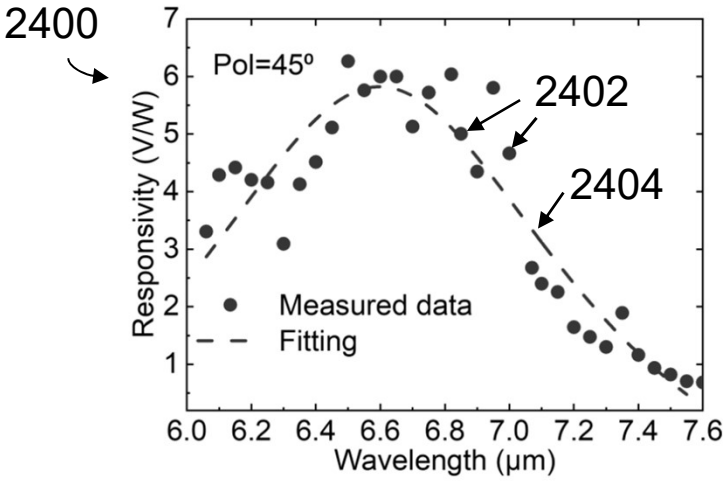

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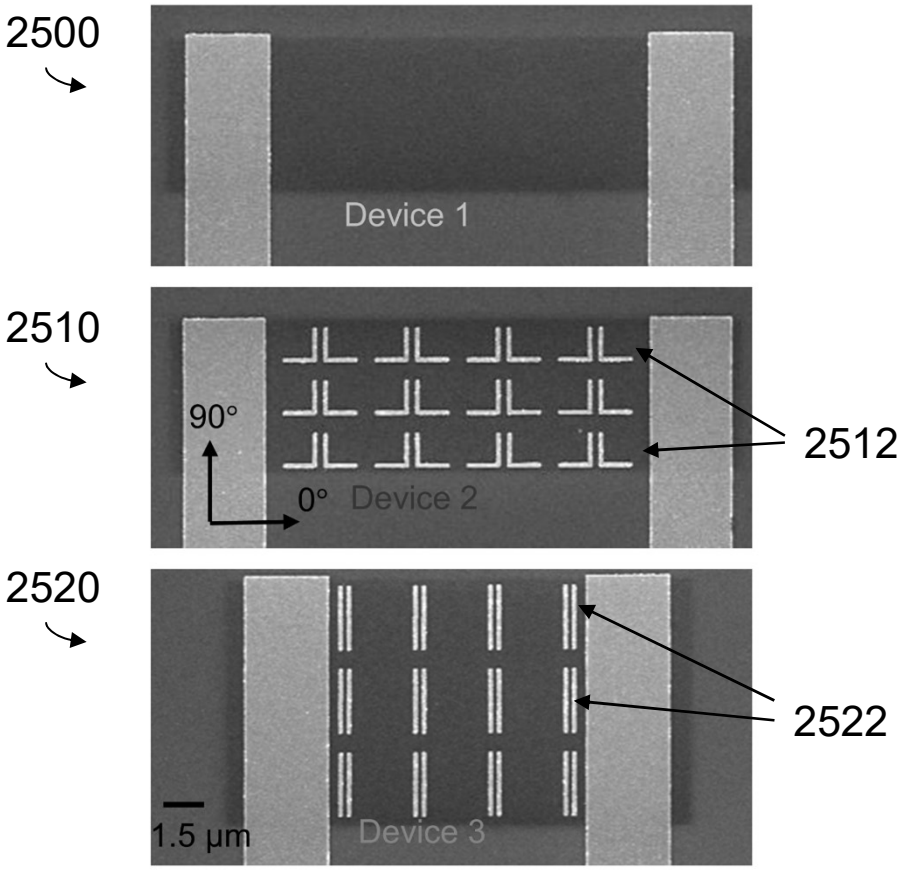

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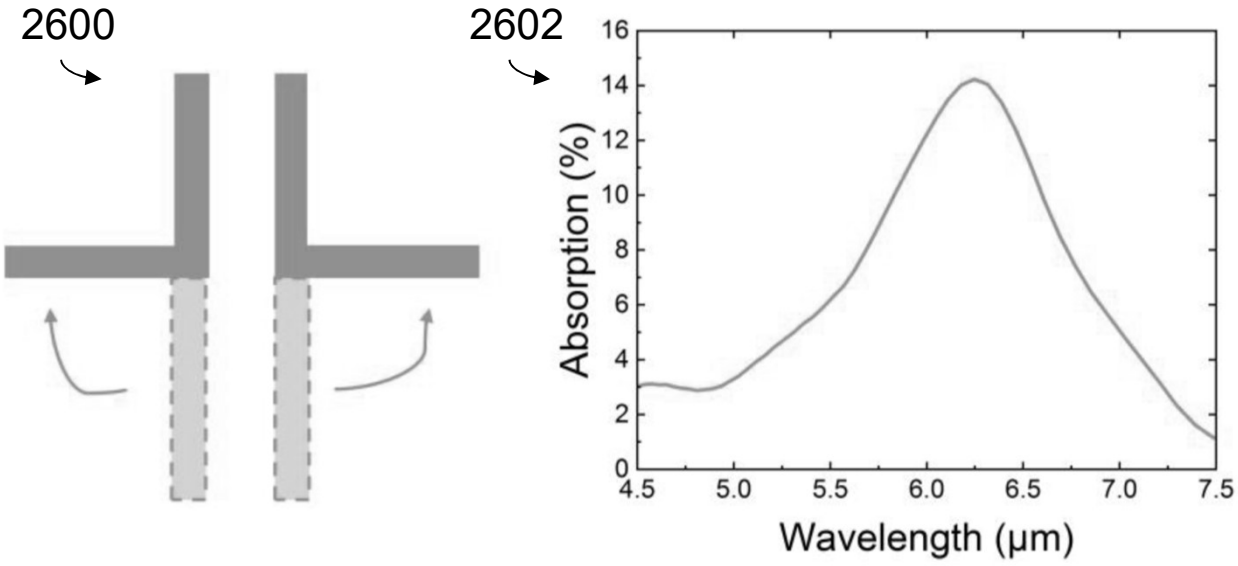


Figure 26A

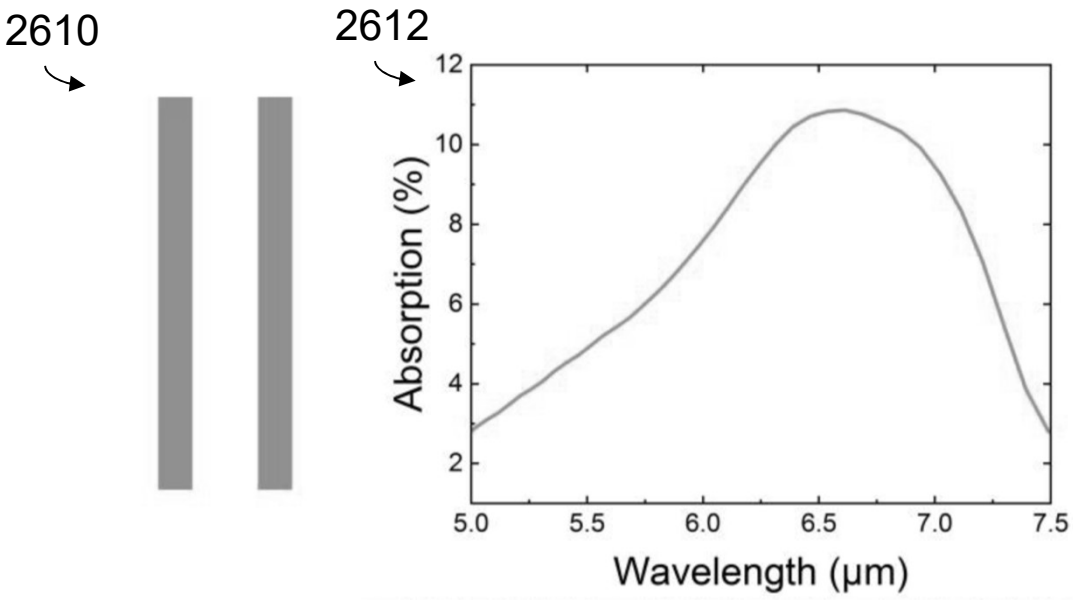
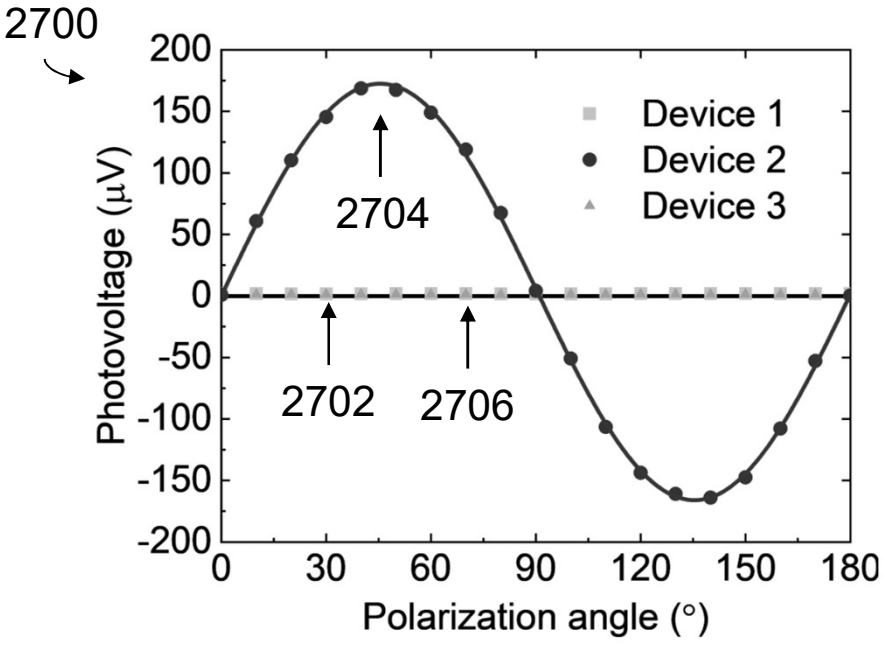


Figure 26B



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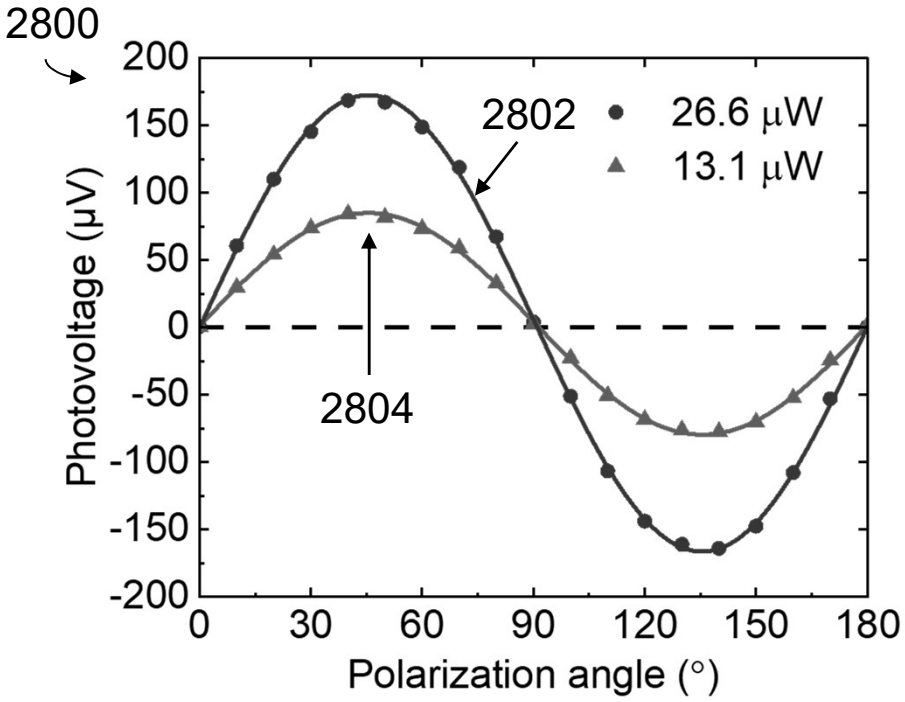

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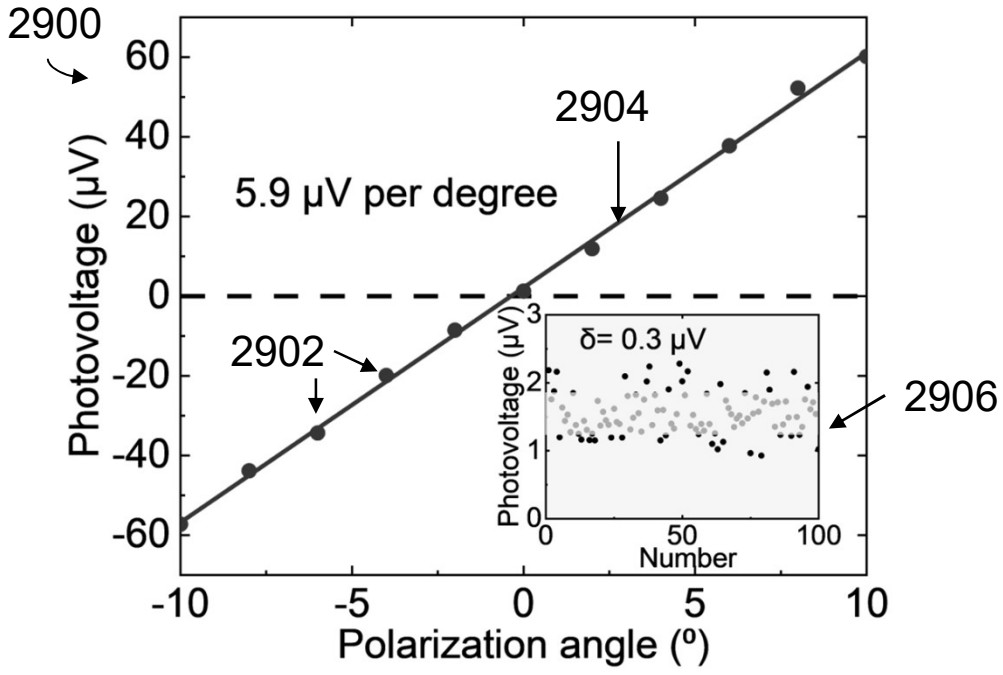

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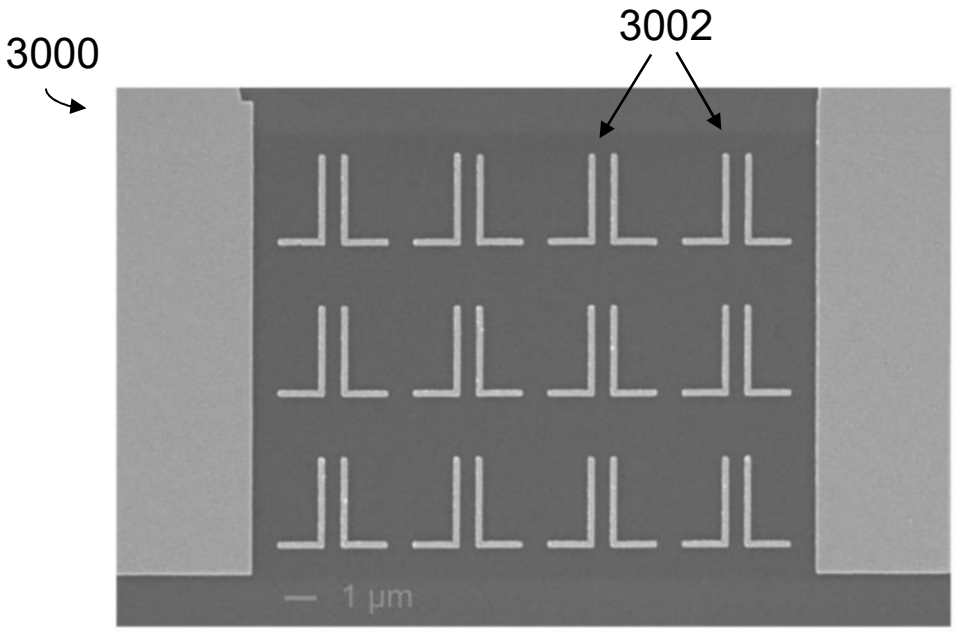


Figure 30A

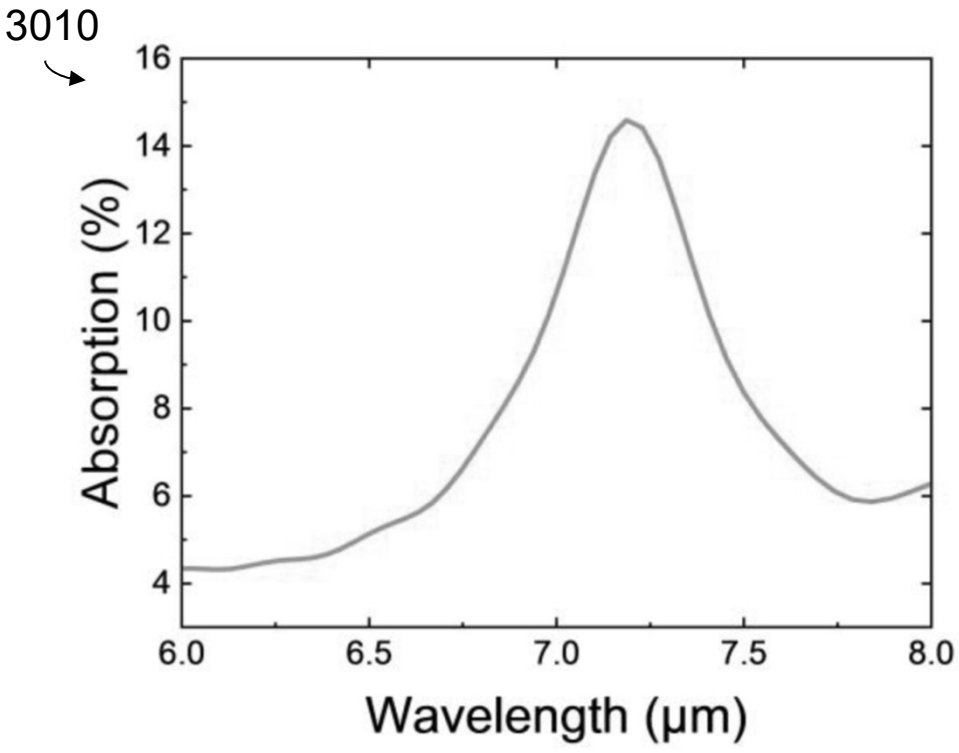
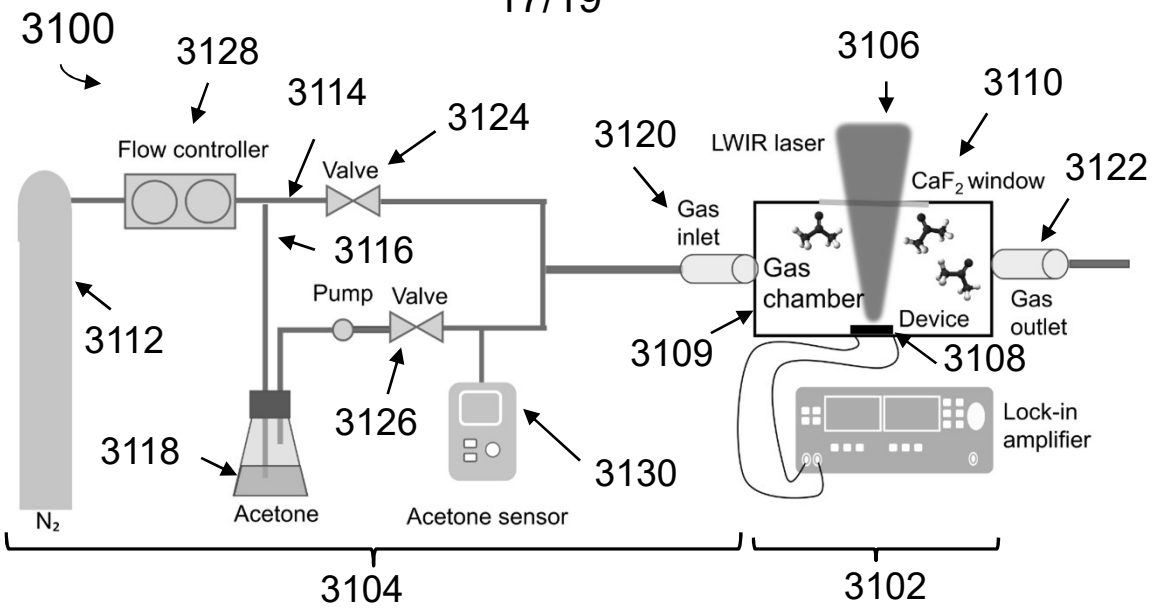


Figure 30B



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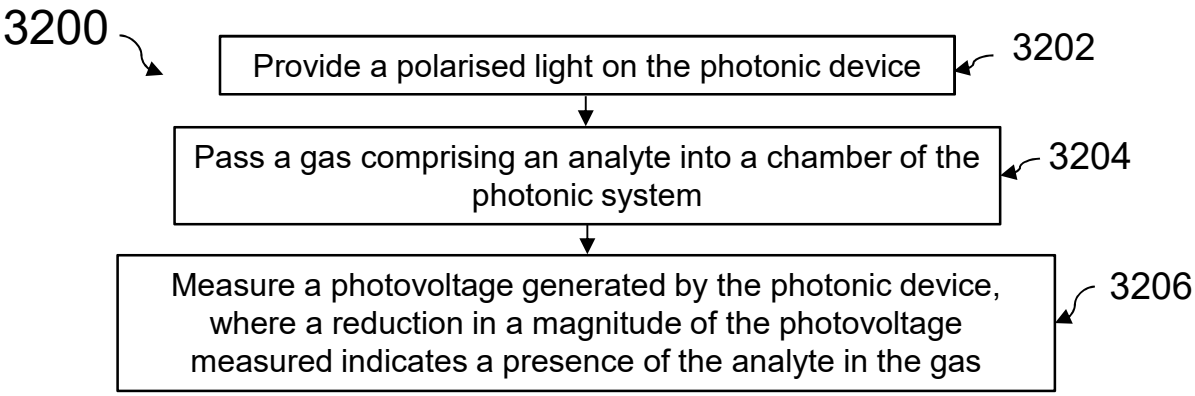

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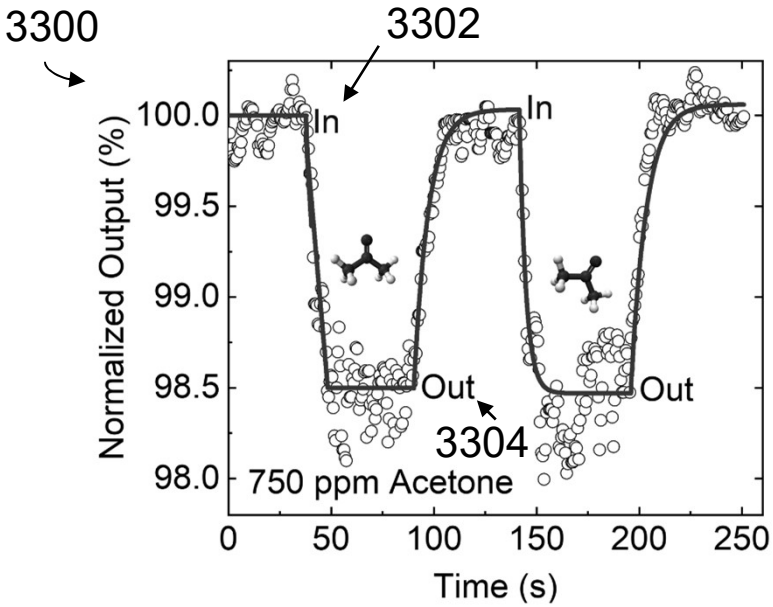

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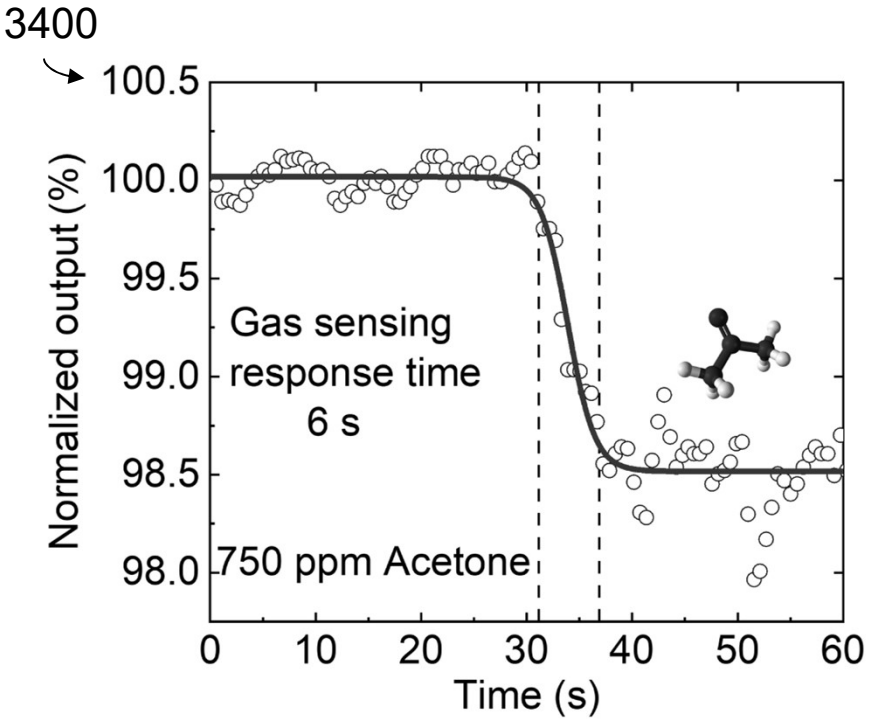

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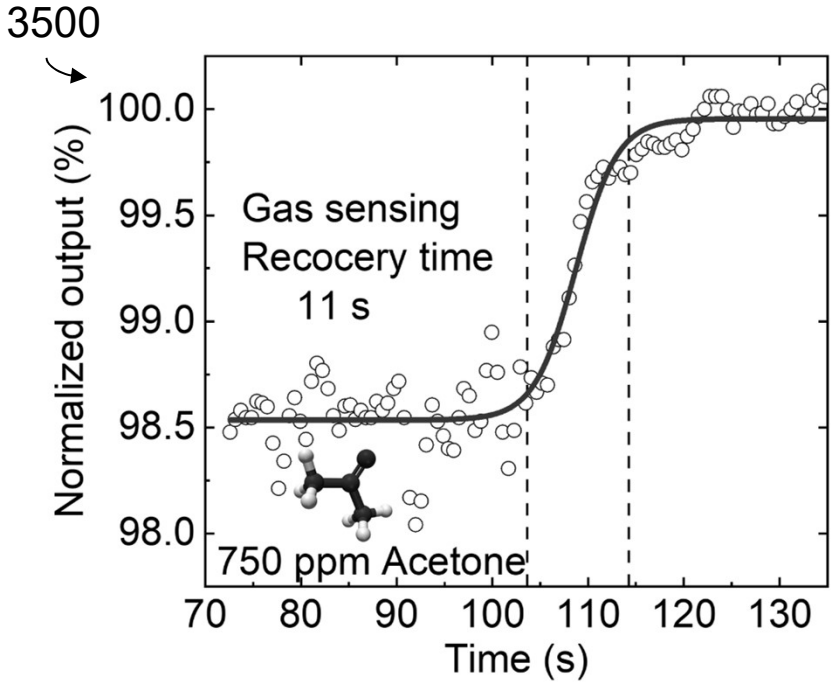

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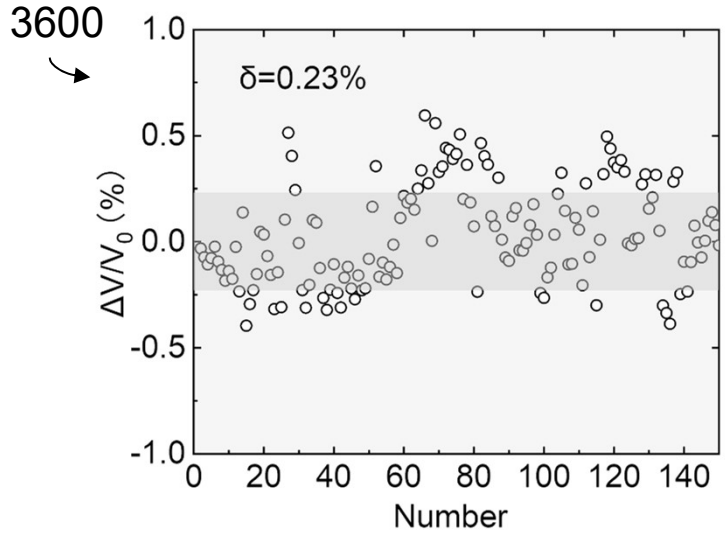

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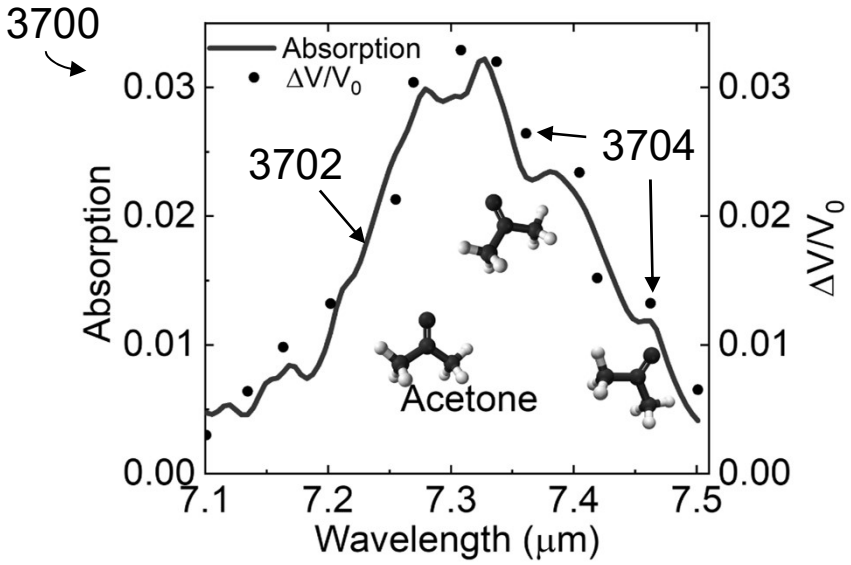

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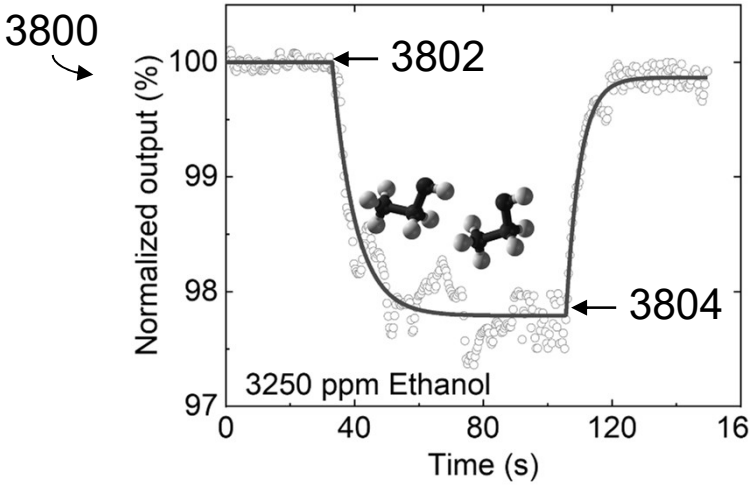

Figure 38