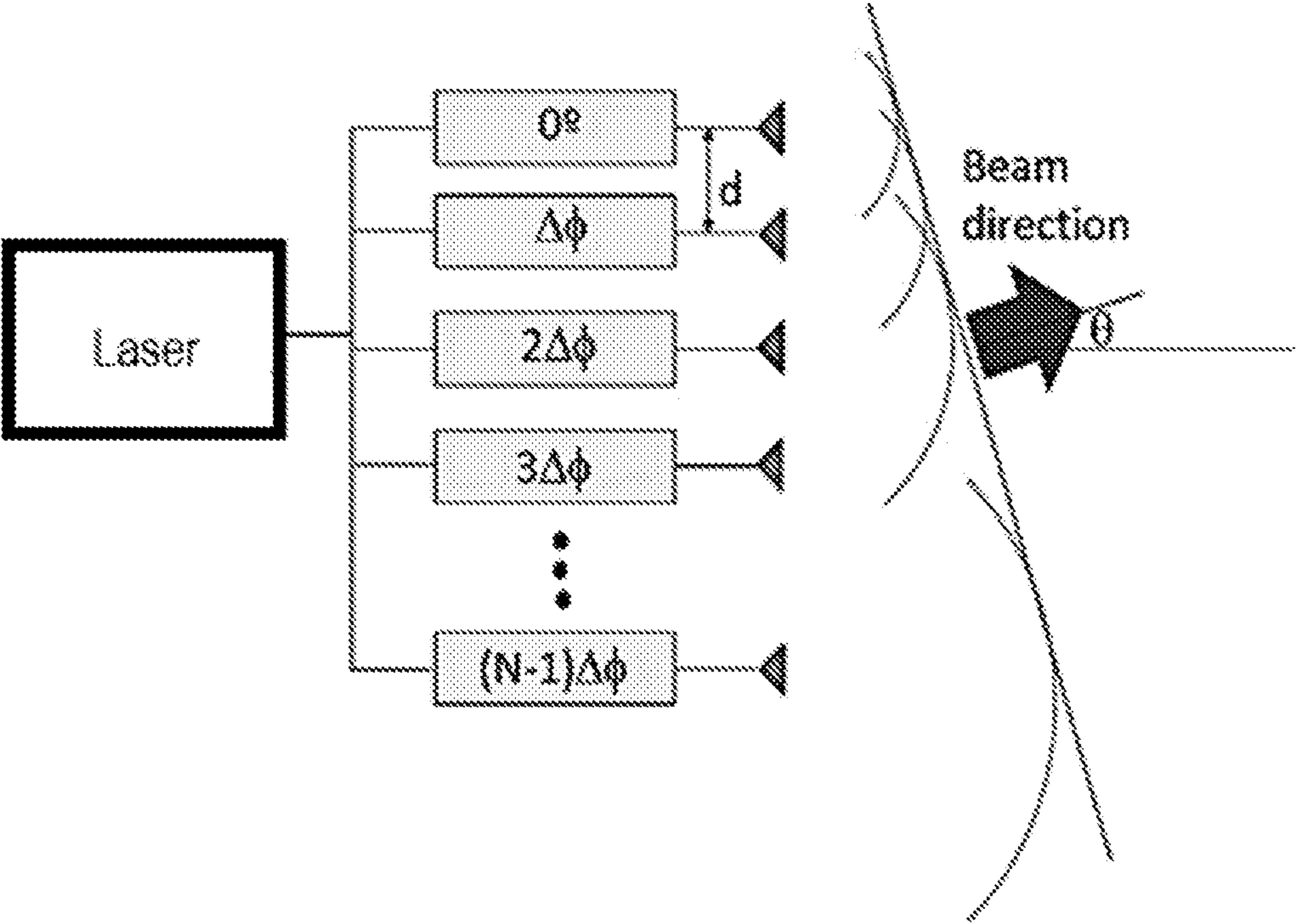
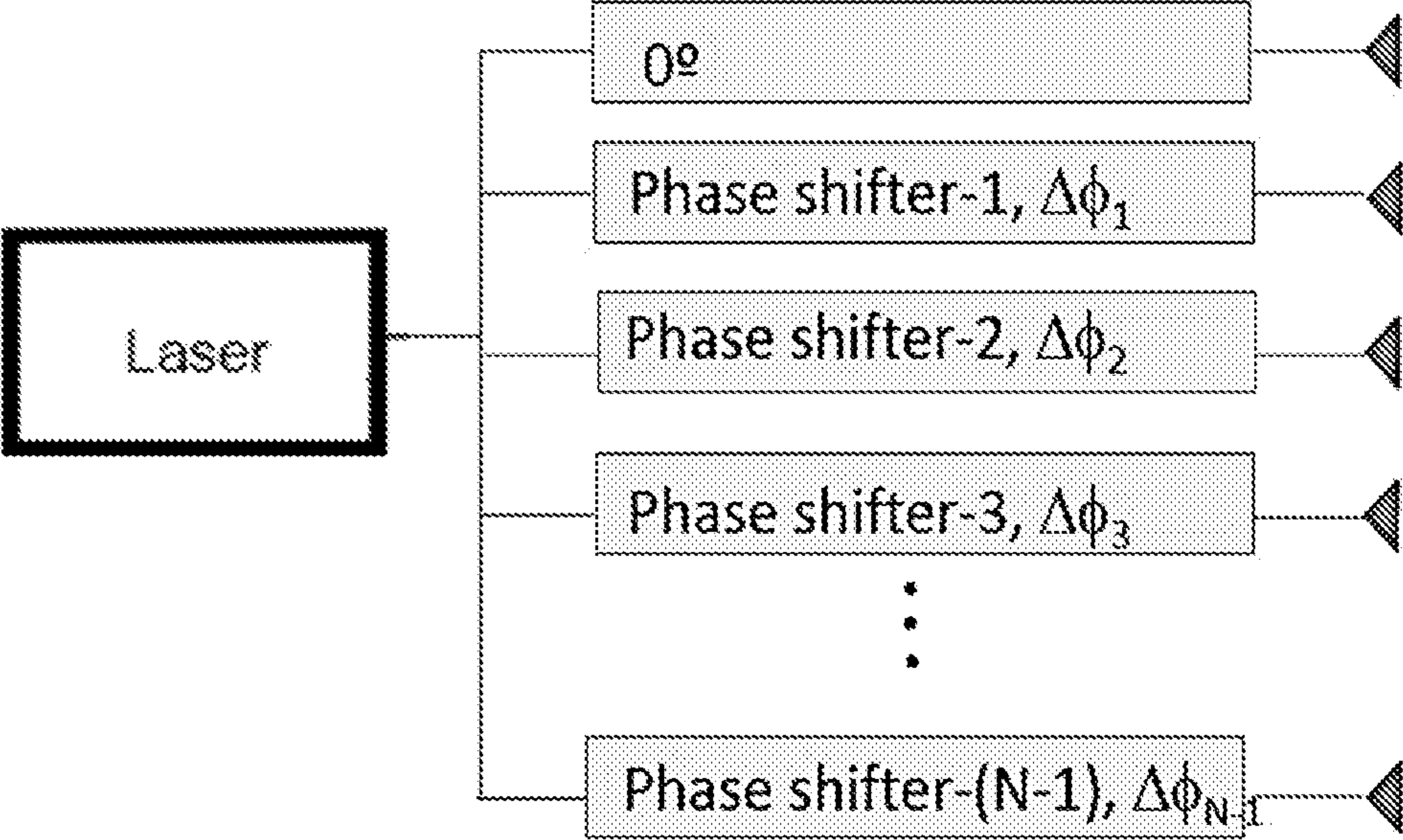


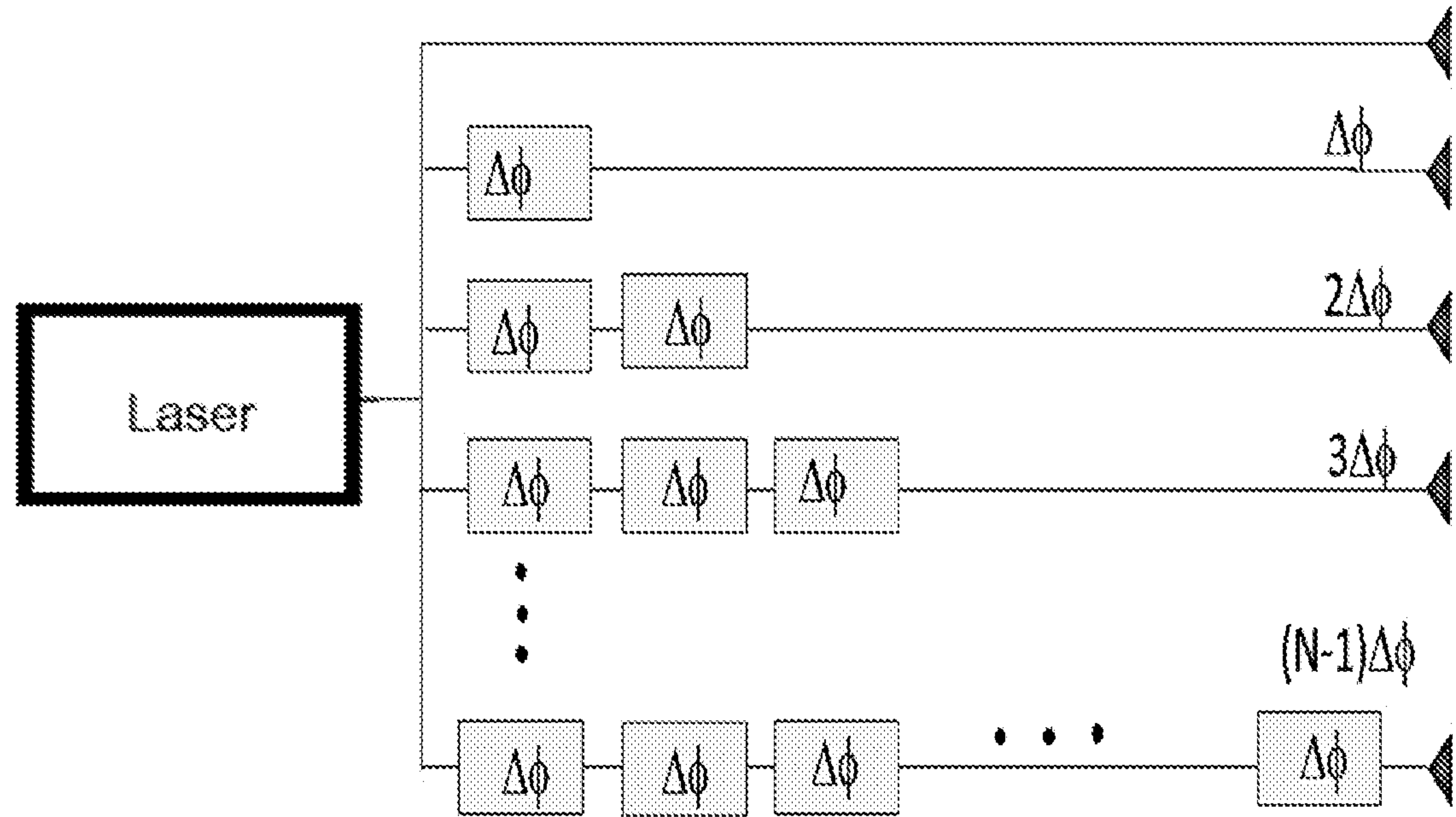
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FIG. 1A



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FIG. 1B



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FIG. 1C



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FIG. 1D

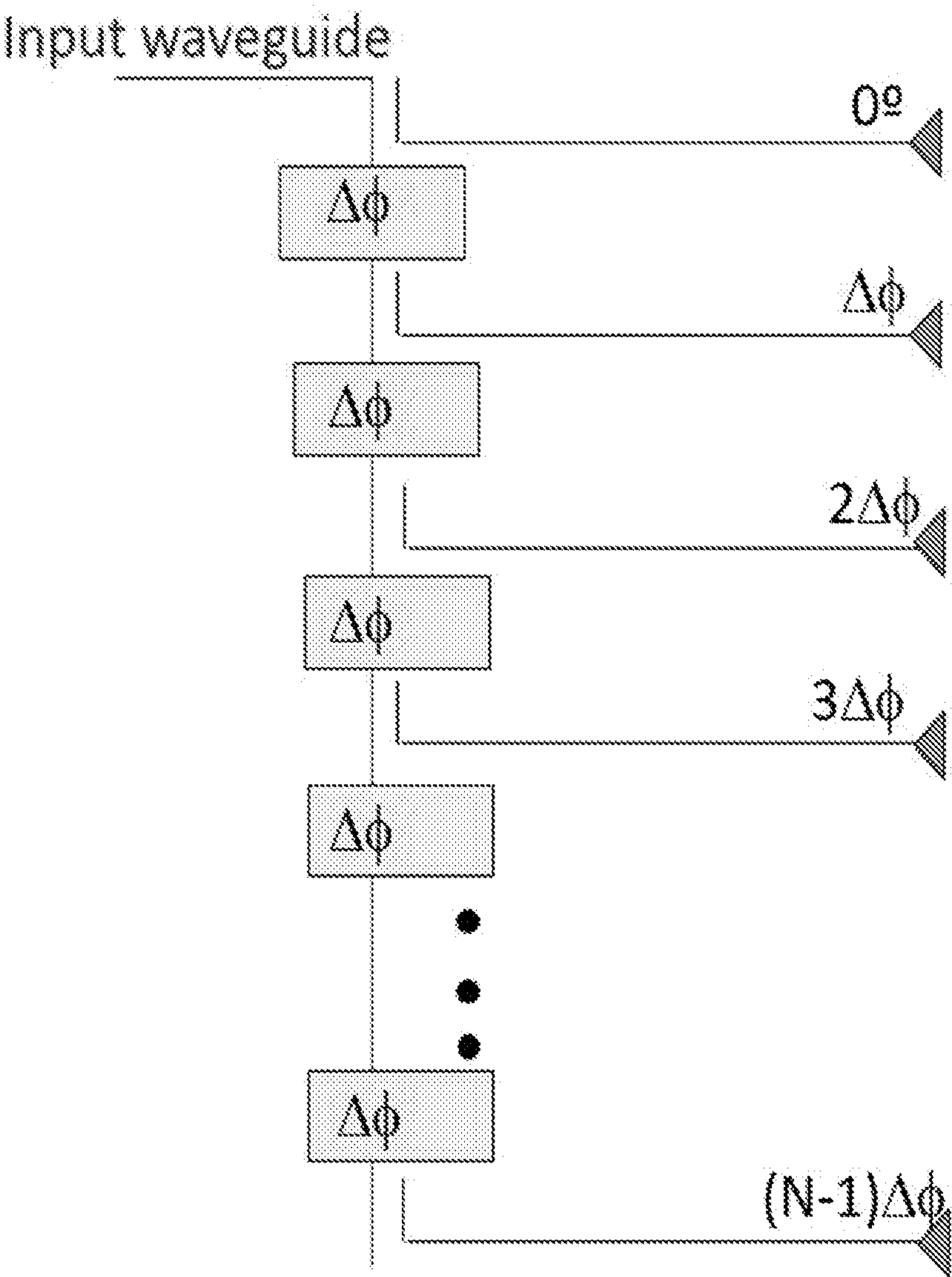


FIG. 2

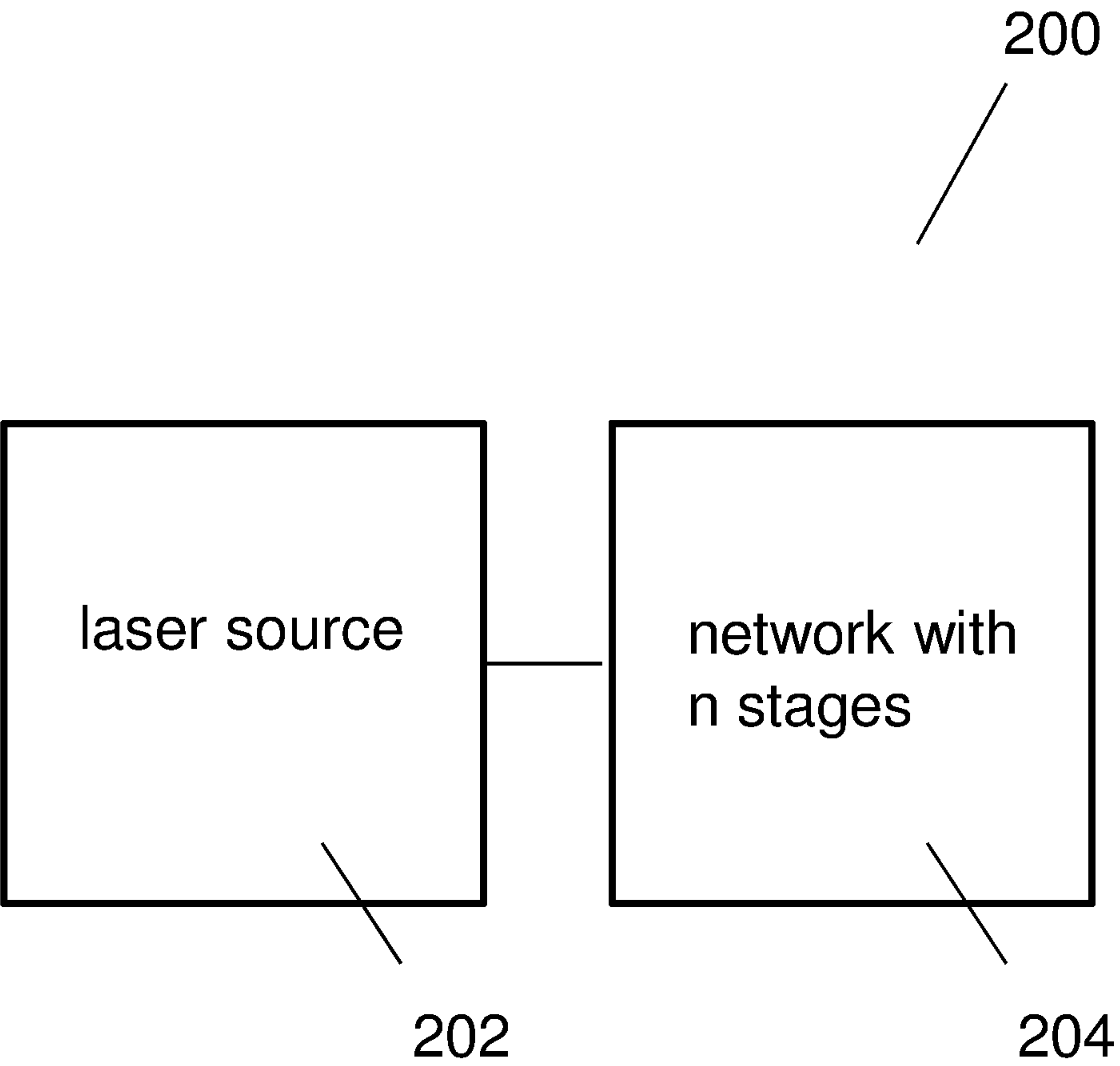


FIG. 3

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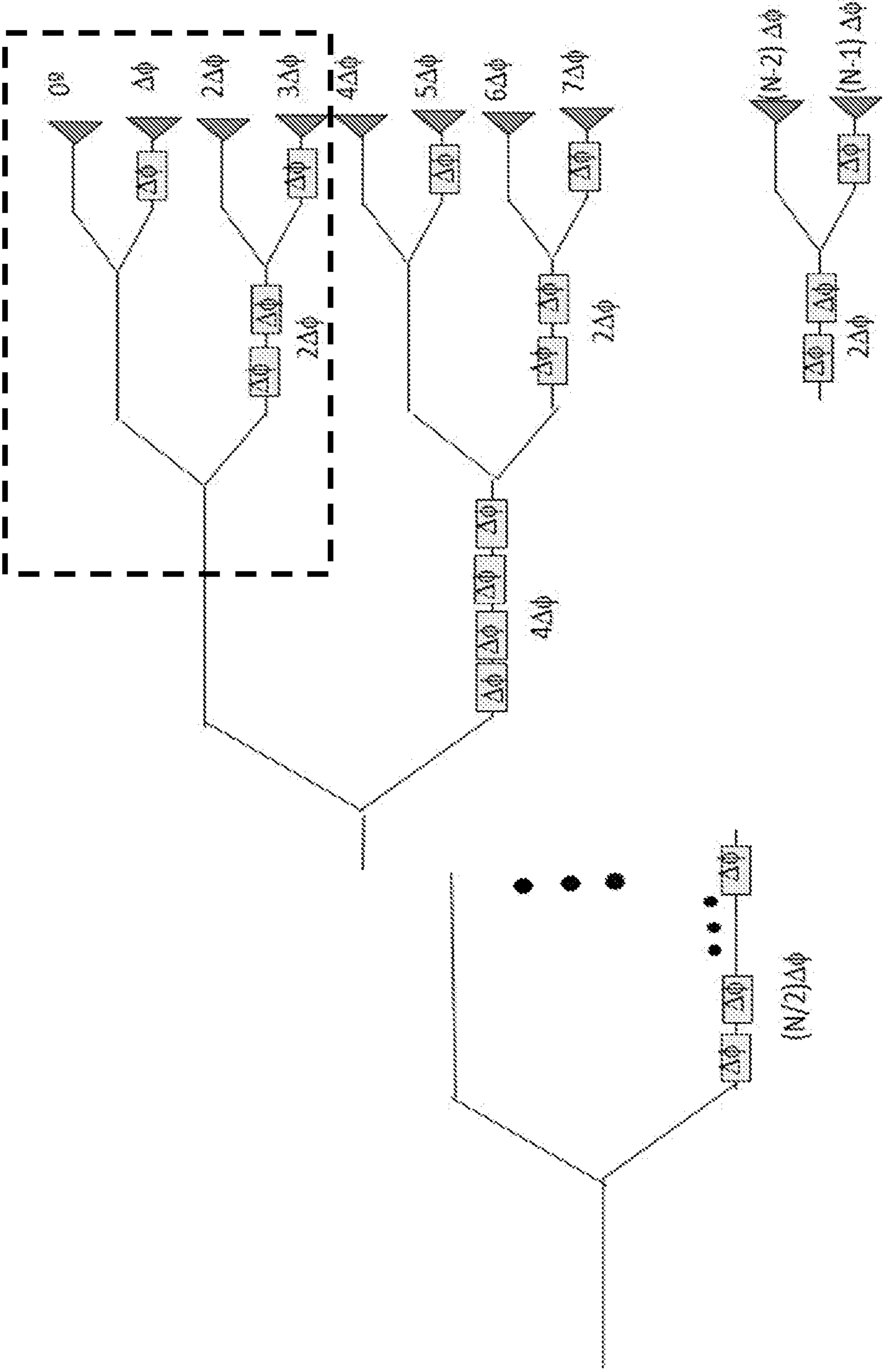
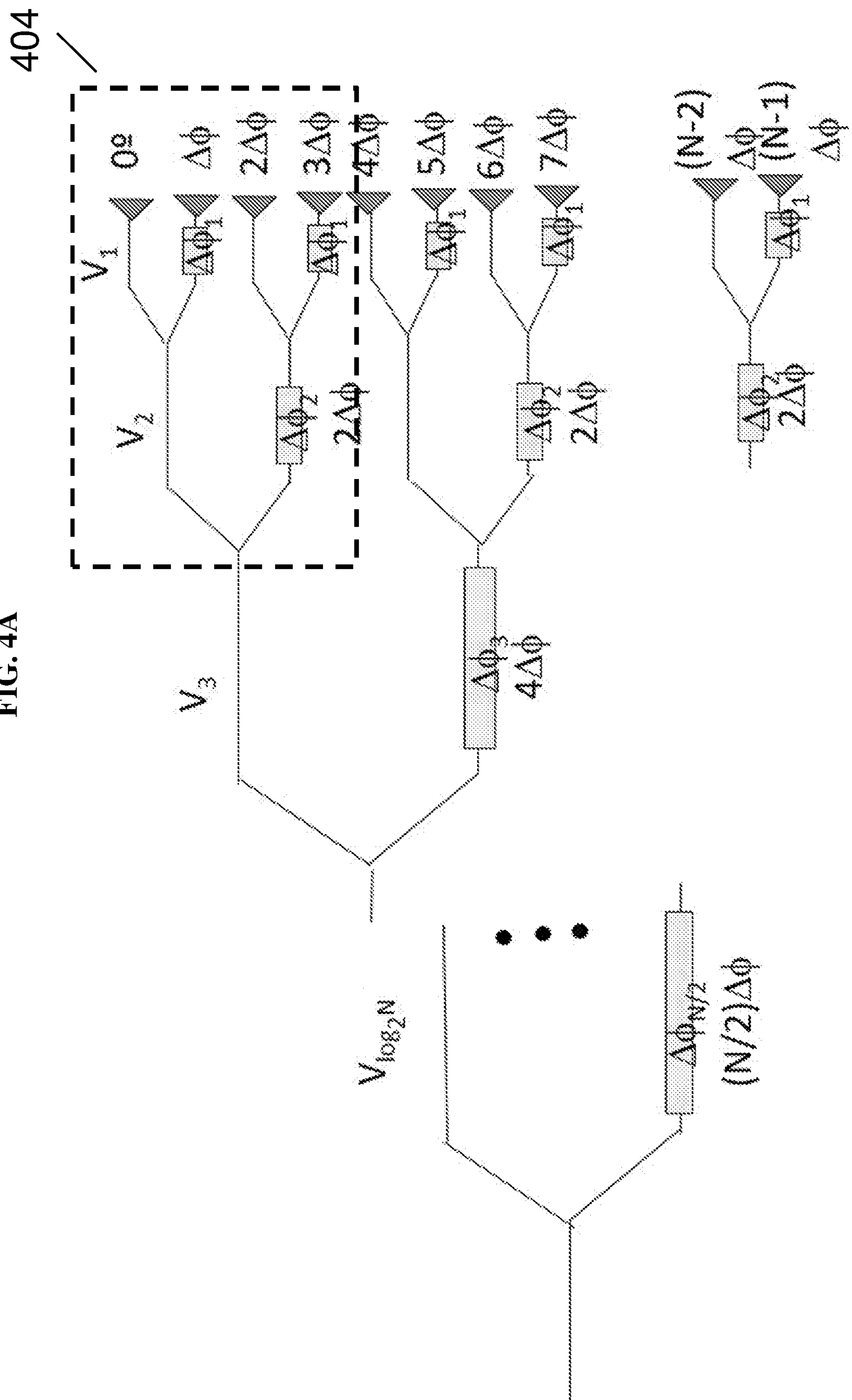


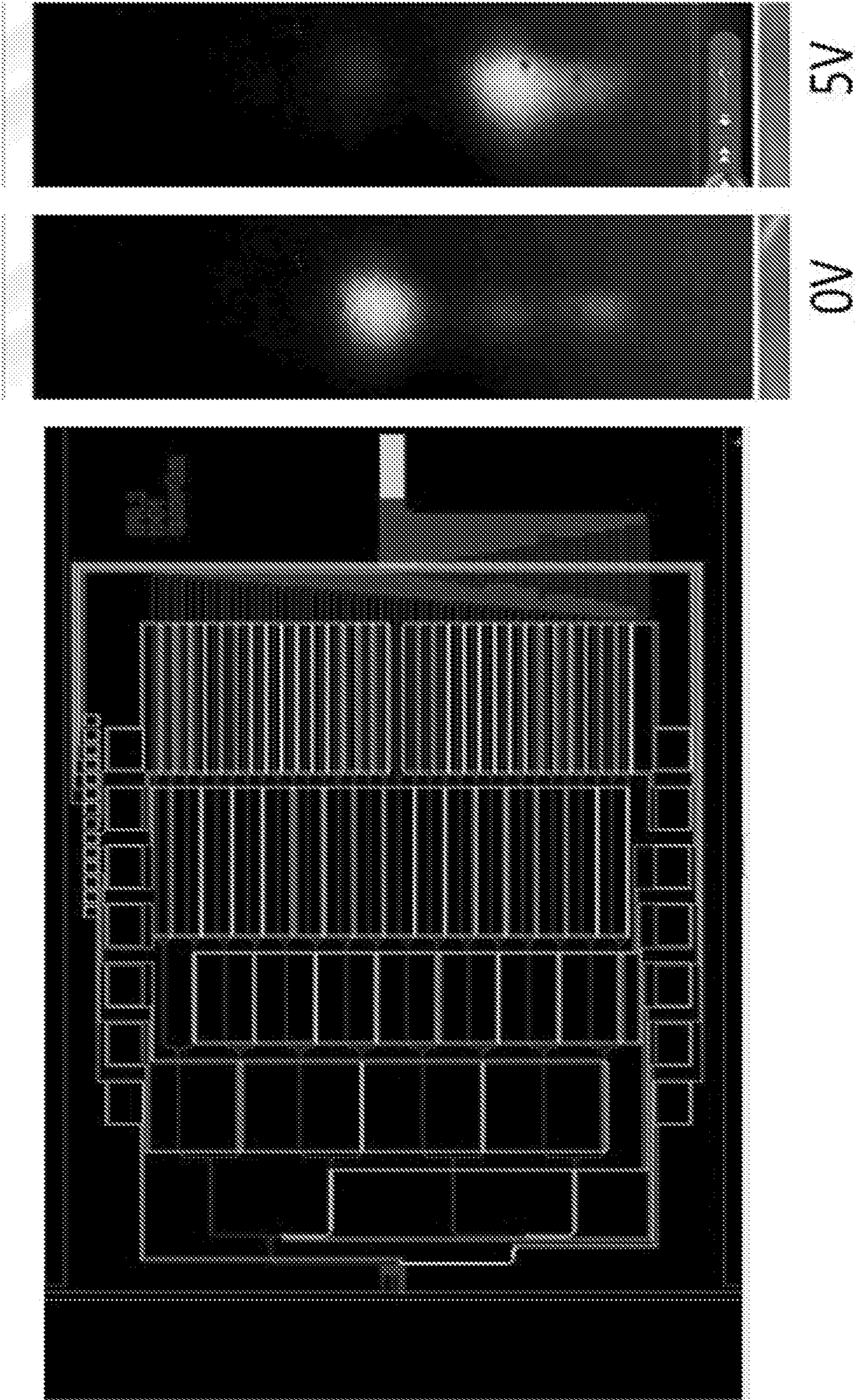
FIG. 4A



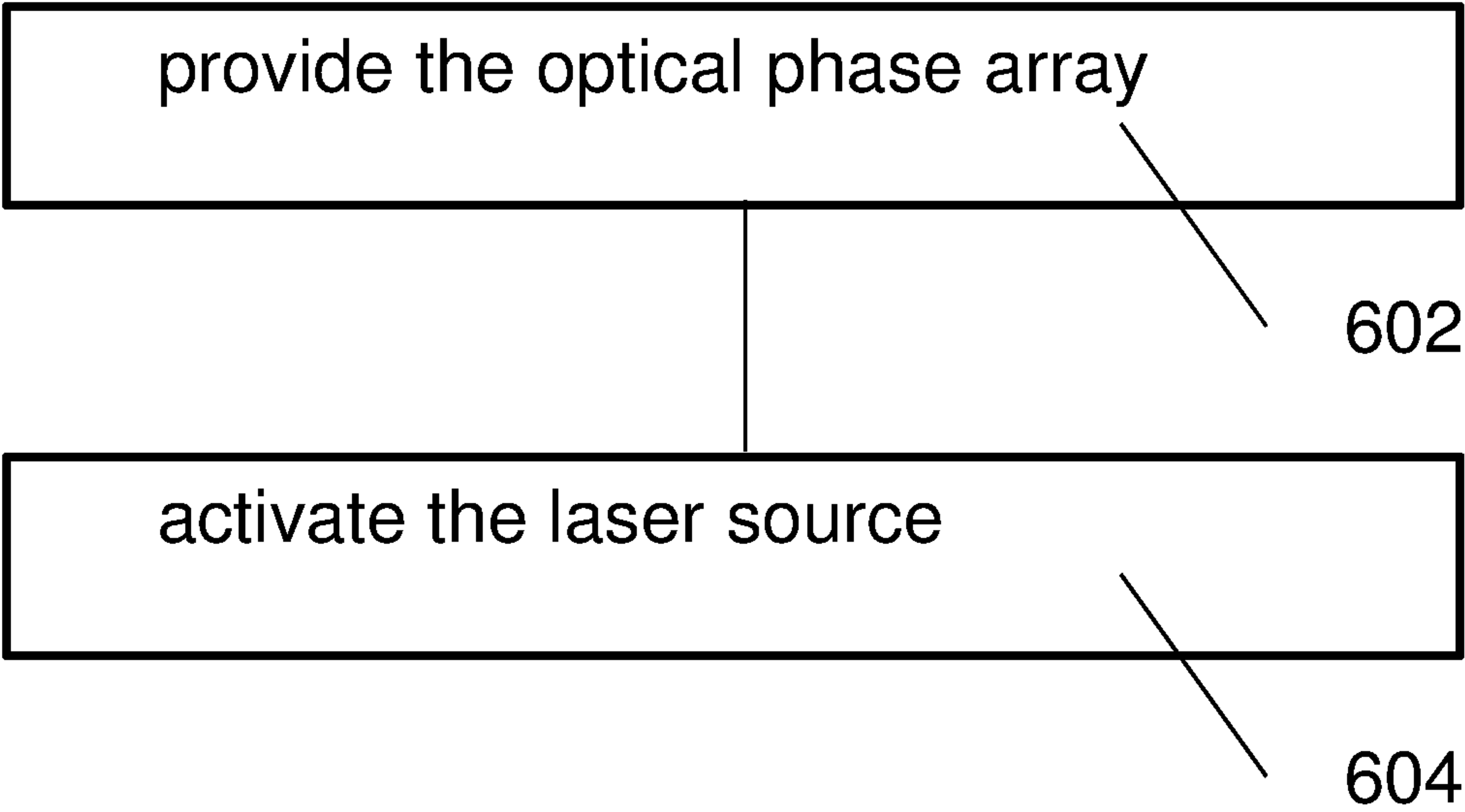
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FIG. 4B

$$\begin{array}{ll}
 V_1 = V & 0 < V < V_{2\pi} \\
 V_2 = \begin{cases} \sqrt{2}V \\ \sqrt{2}(V - V_{2\pi}/\sqrt{2}) \end{cases} & \begin{array}{l} 0 < V < V_{2\pi}/\sqrt{2} \\ V_{2\pi}/\sqrt{2} < V < V_{2\pi} \end{array} \\
 V_3 = \begin{cases} \sqrt{4}V \\ \sqrt{4}(V - V_{2\pi}/\sqrt{4}) \\ \sqrt{4}(V - V_{2\pi}\sqrt{2}/\sqrt{4}) \\ \sqrt{4}(V - V_{2\pi}\sqrt{3}/\sqrt{4}) \end{cases} & \begin{array}{l} 0 < V < V_{2\pi}/\sqrt{4} \\ V_{2\pi}/\sqrt{4} < V < V_{2\pi}\sqrt{2}/\sqrt{4} \\ V_{2\pi}\sqrt{2}/\sqrt{4} < V < V_{2\pi}\sqrt{3}/\sqrt{4} \\ V_{2\pi}\sqrt{3}/\sqrt{4} < V < V_{2\pi}/\sqrt{4} \end{array} \\
 \bullet \quad \bullet \quad \bullet & \\
 V_{\log_2 N} = \begin{cases} \sqrt{N/2}V \\ \sqrt{N/2}(V - V_{2\pi}/\sqrt{N/2}) \\ \bullet \quad \bullet \quad \bullet \\ \sqrt{N/2}(V - V_{2\pi}\sqrt{i}/\sqrt{N/2}) \\ \bullet \quad \bullet \quad \bullet \\ \sqrt{N/2}(V - V_{2\pi}\sqrt{\frac{N}{2}-1}/\sqrt{N/2}) \end{cases} & \begin{array}{l} 0 < V < V_{2\pi}/\sqrt{N/2} \\ V_{2\pi}/\sqrt{N/2} < V < V_{2\pi}\sqrt{2}/\sqrt{N/2} \\ \\ V_{2\pi}\sqrt{i}/\sqrt{N/2} < V < V_{2\pi}\sqrt{i+1}/\sqrt{N/2} \\ \\ V_{2\pi}\sqrt{\frac{N}{2}-1}/\sqrt{N/2} < V < V_{2\pi} \end{array}
 \end{array}$$

FIG. 5



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FIG. 6



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FIG. 7

