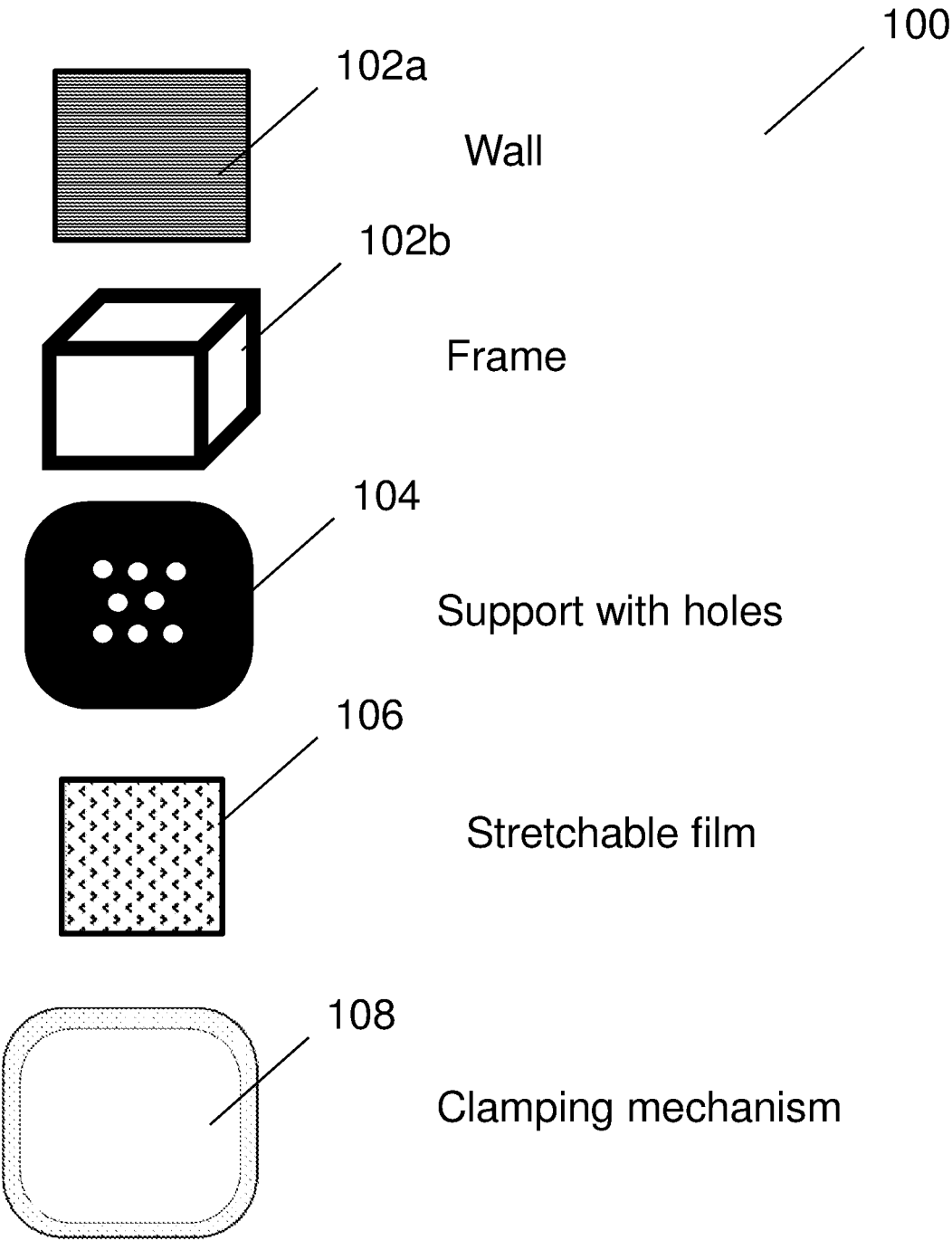
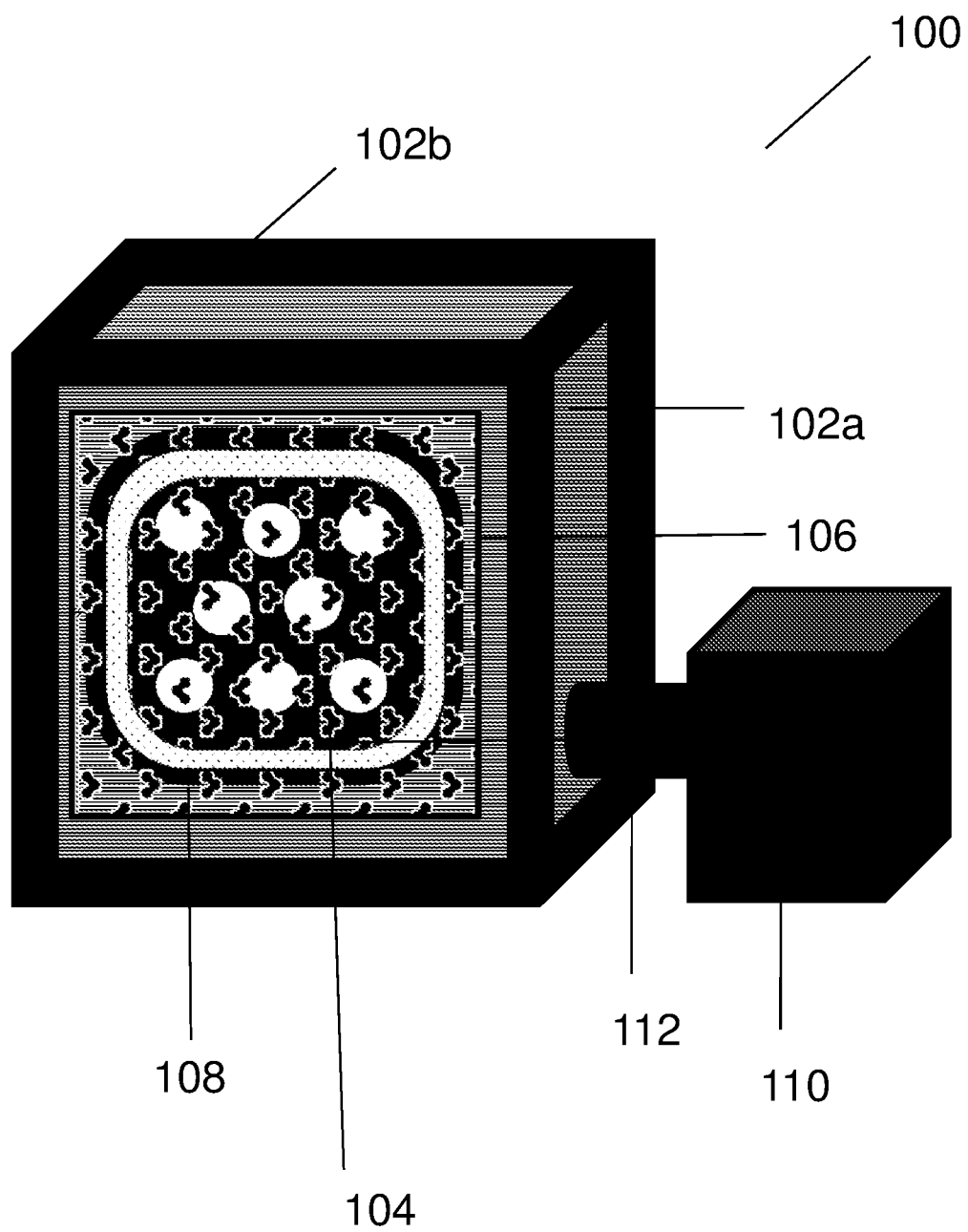


FIG. 1A



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FIG. 1B

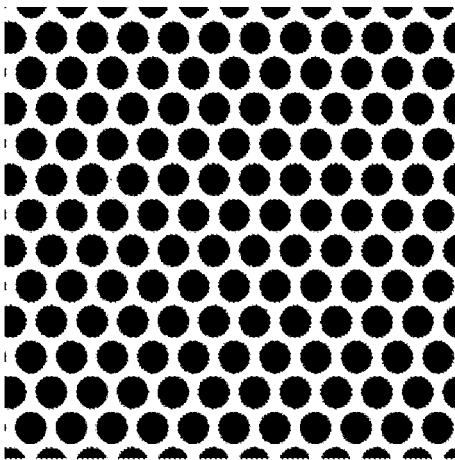


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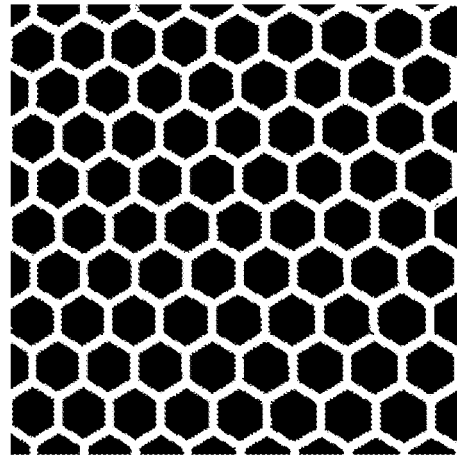
FIG. 1C

Possible types of holes and their arrangement

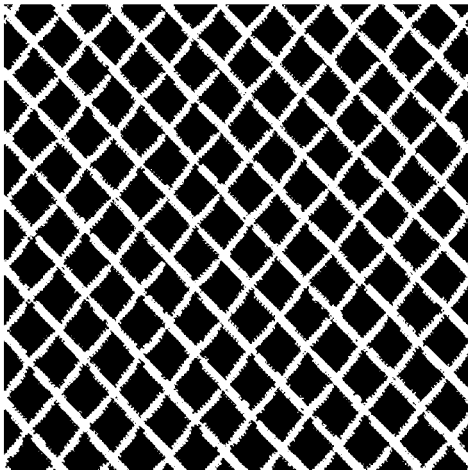
Round



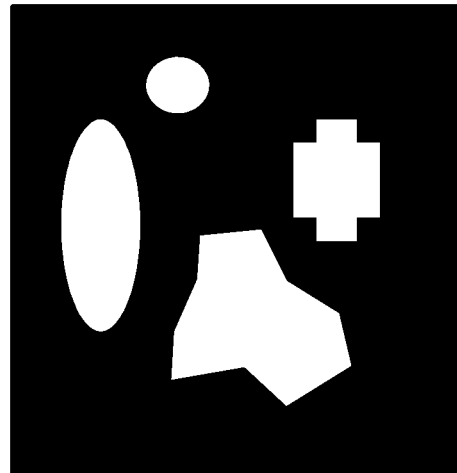
Hexagon



Square



Irregular and random



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FIG. 1D

Definition of area fraction

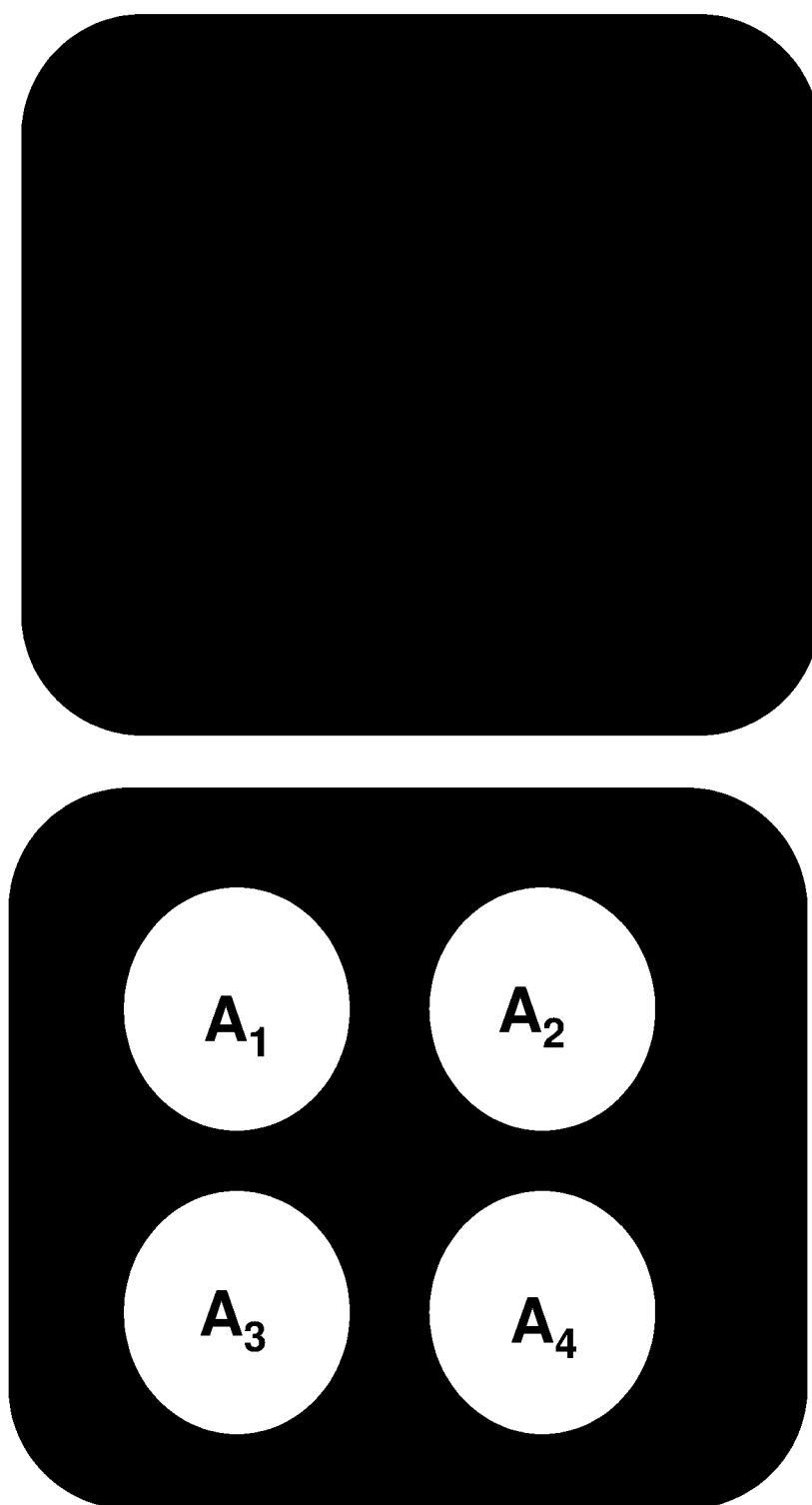


FIG. 2A

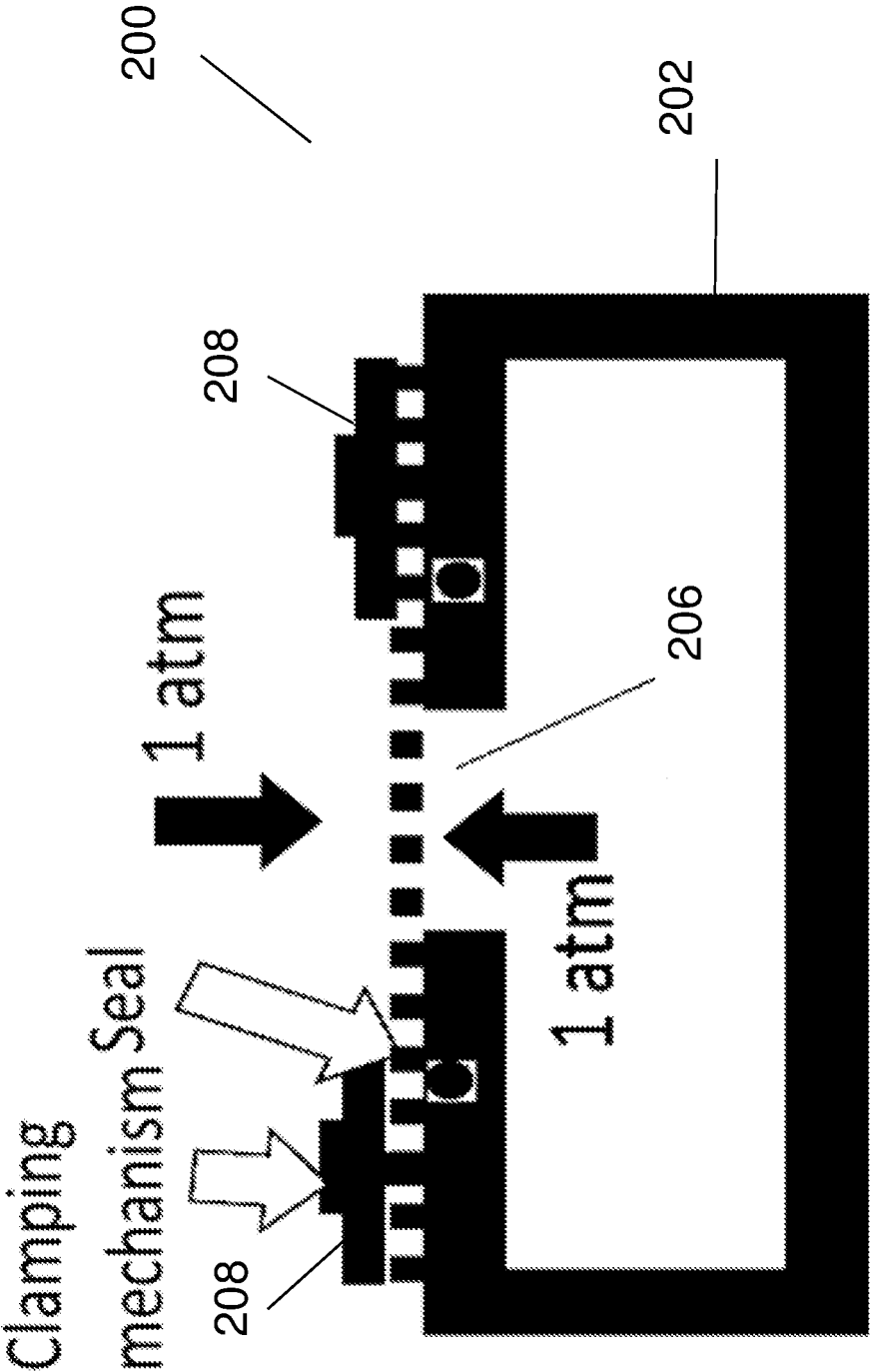
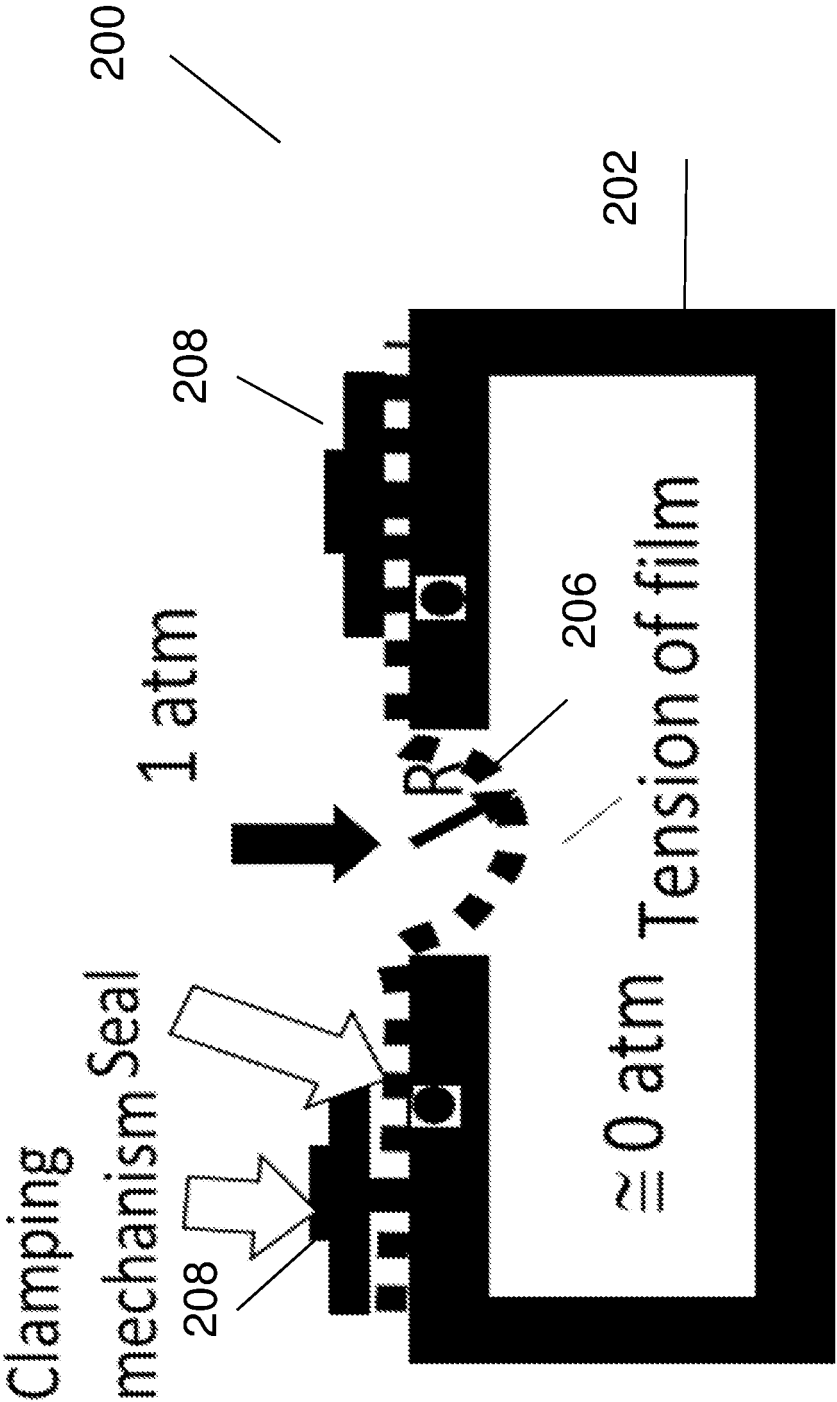
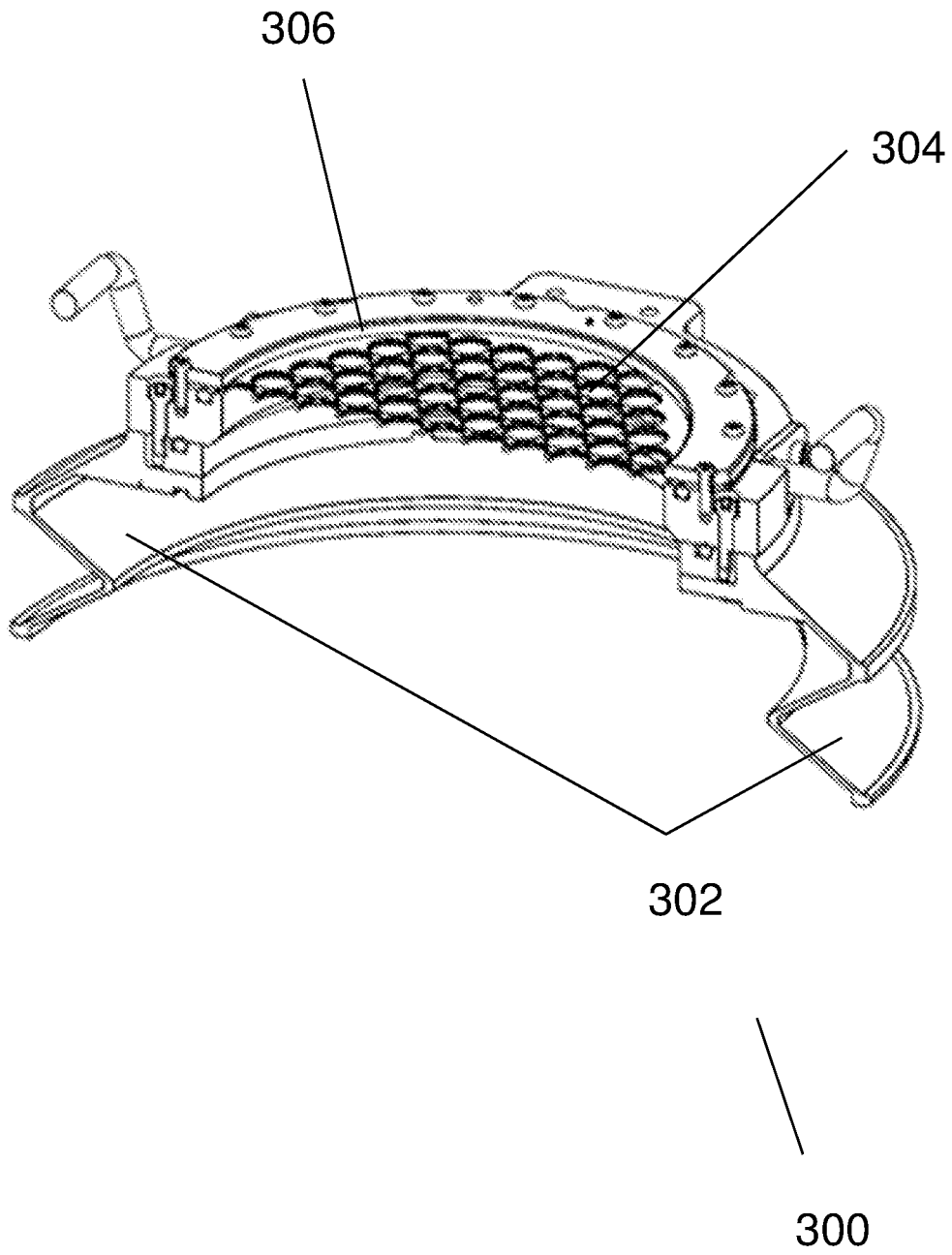


FIG. 2B



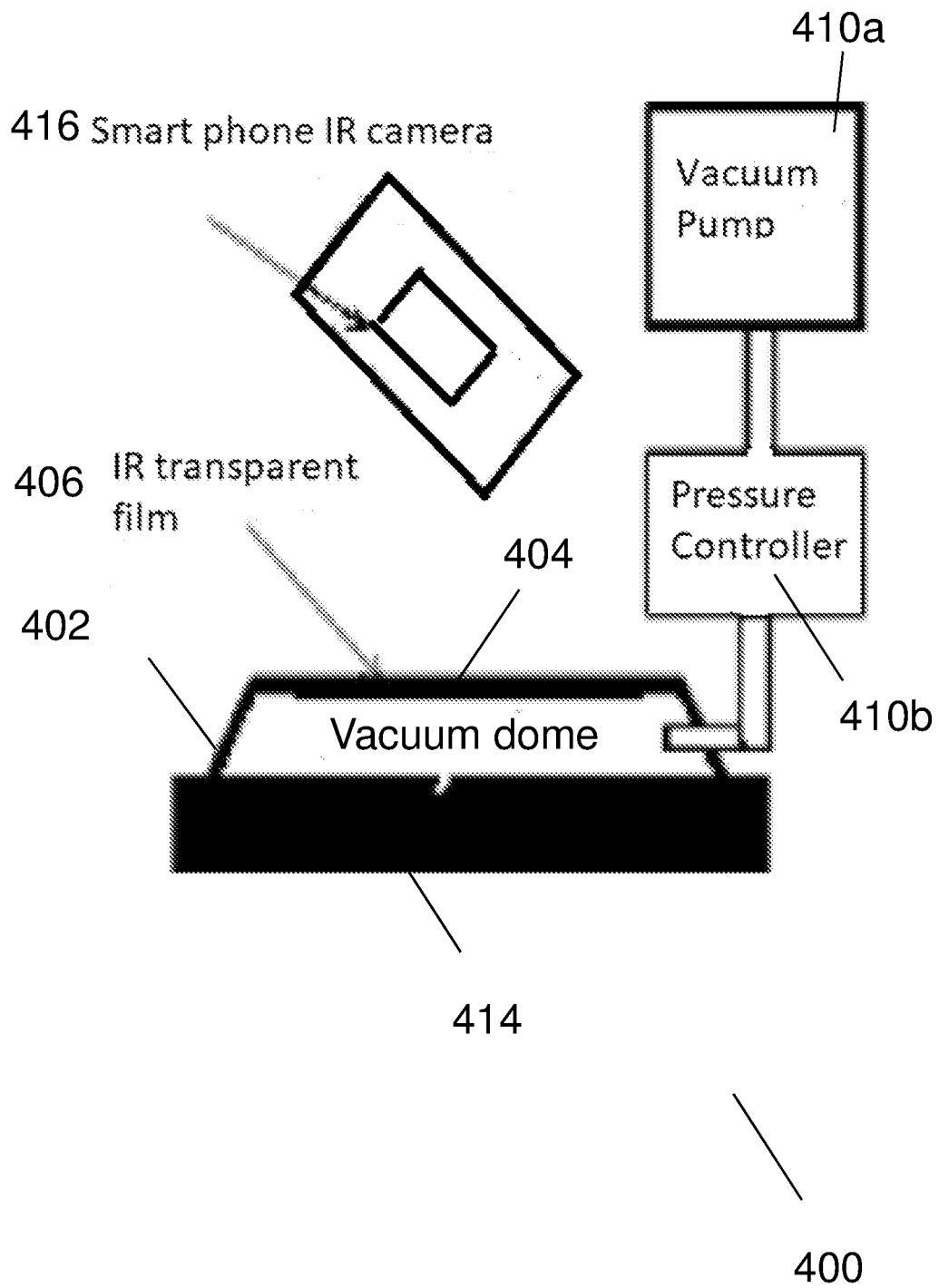
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FIG. 3



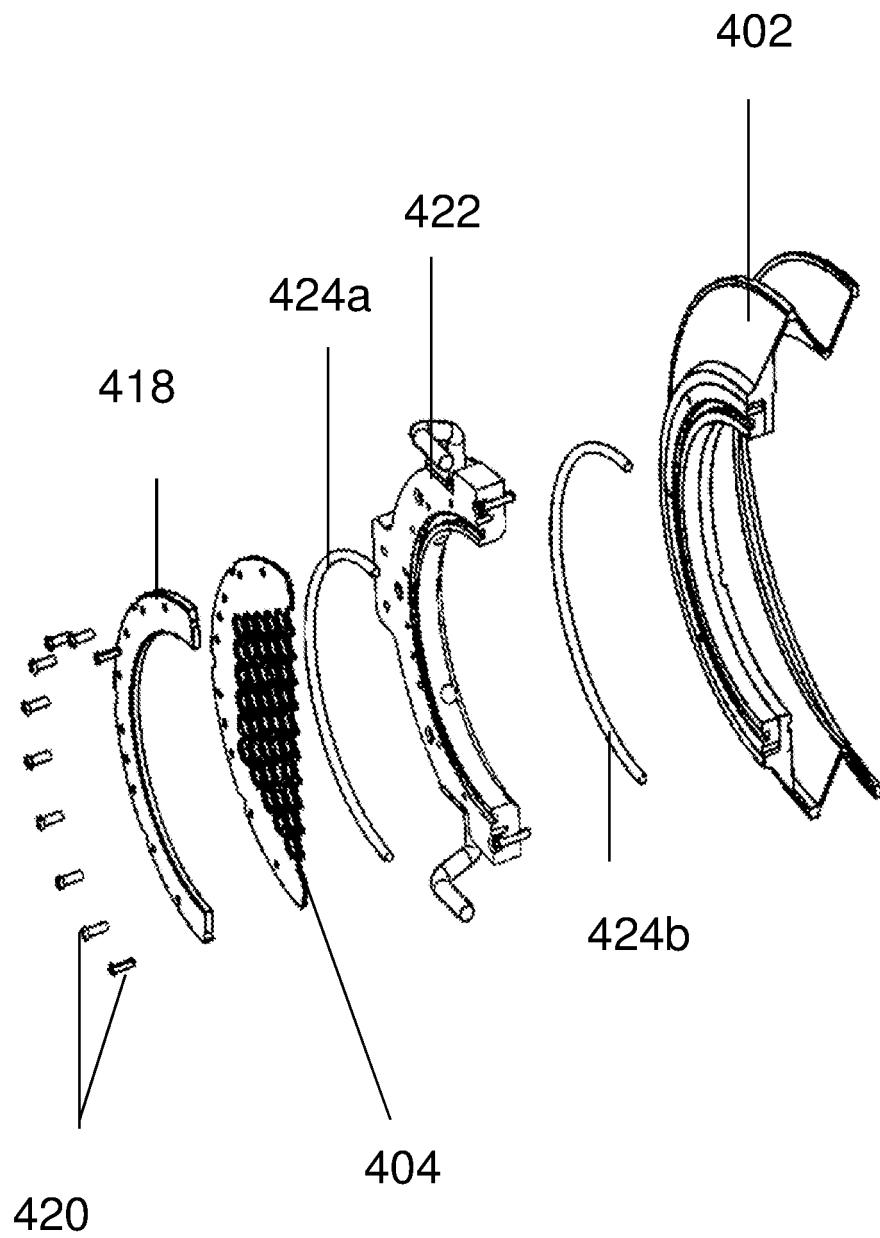
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FIG. 4A



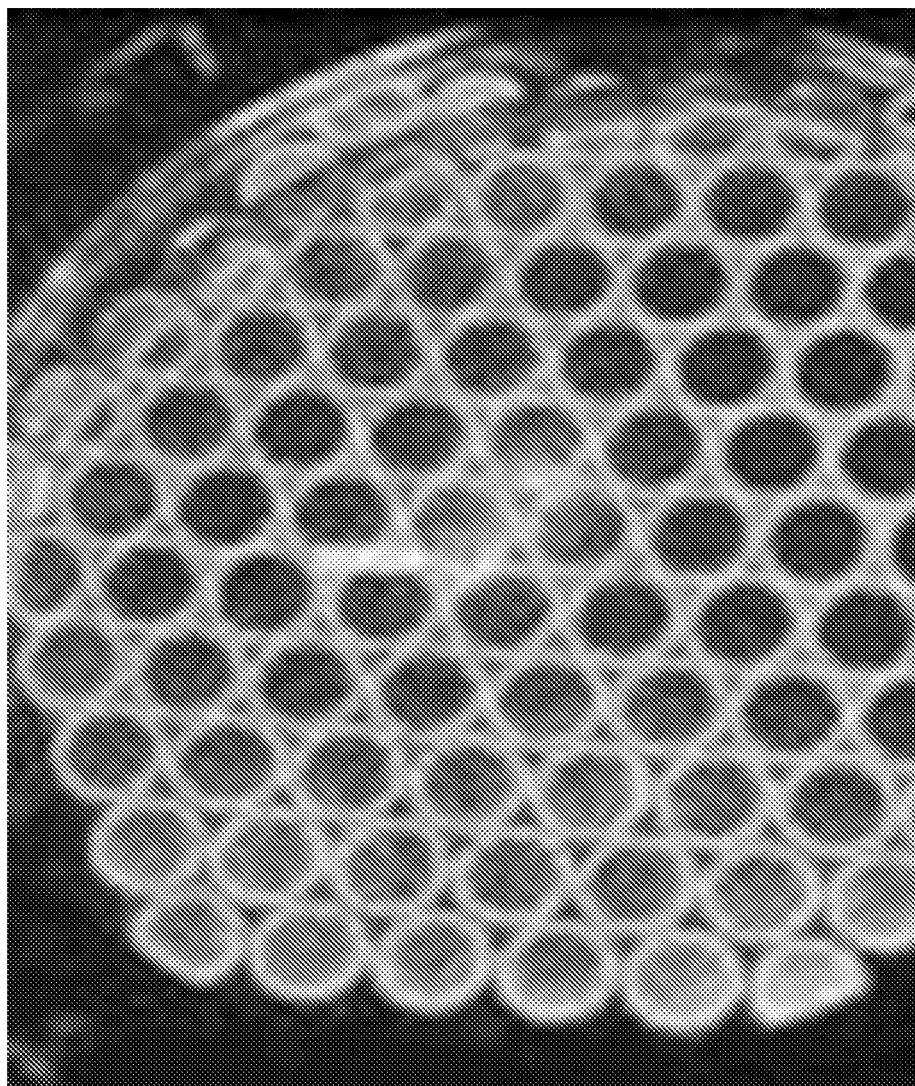
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FIG. 4B



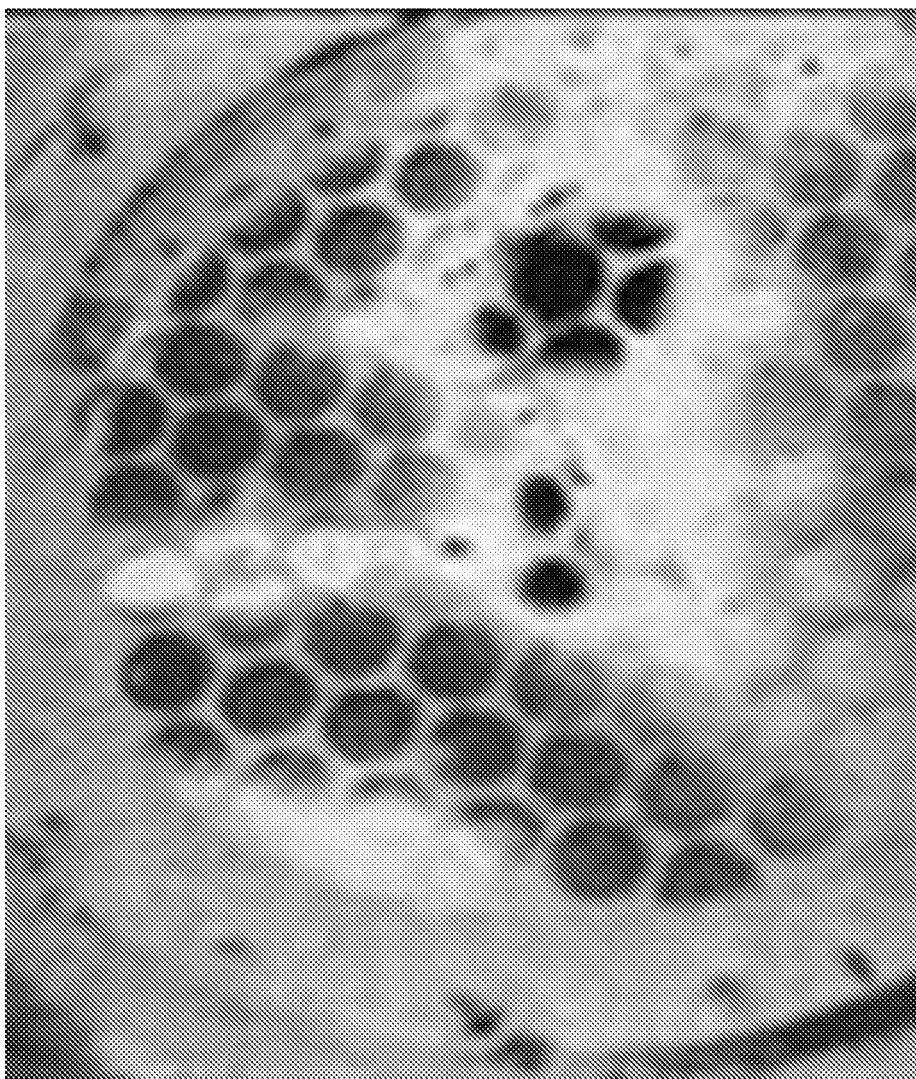
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FIG. 5A



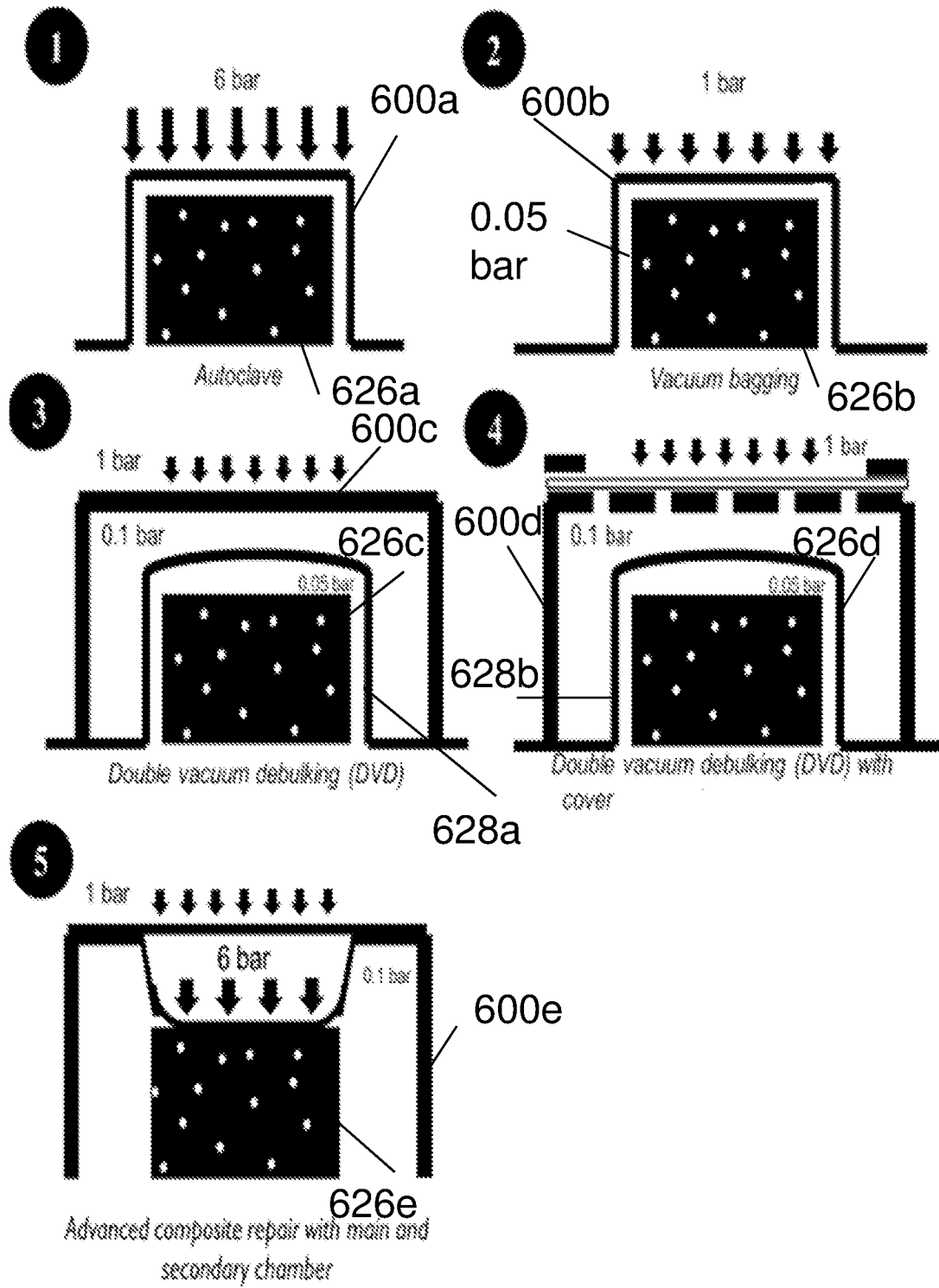
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FIG. 5B



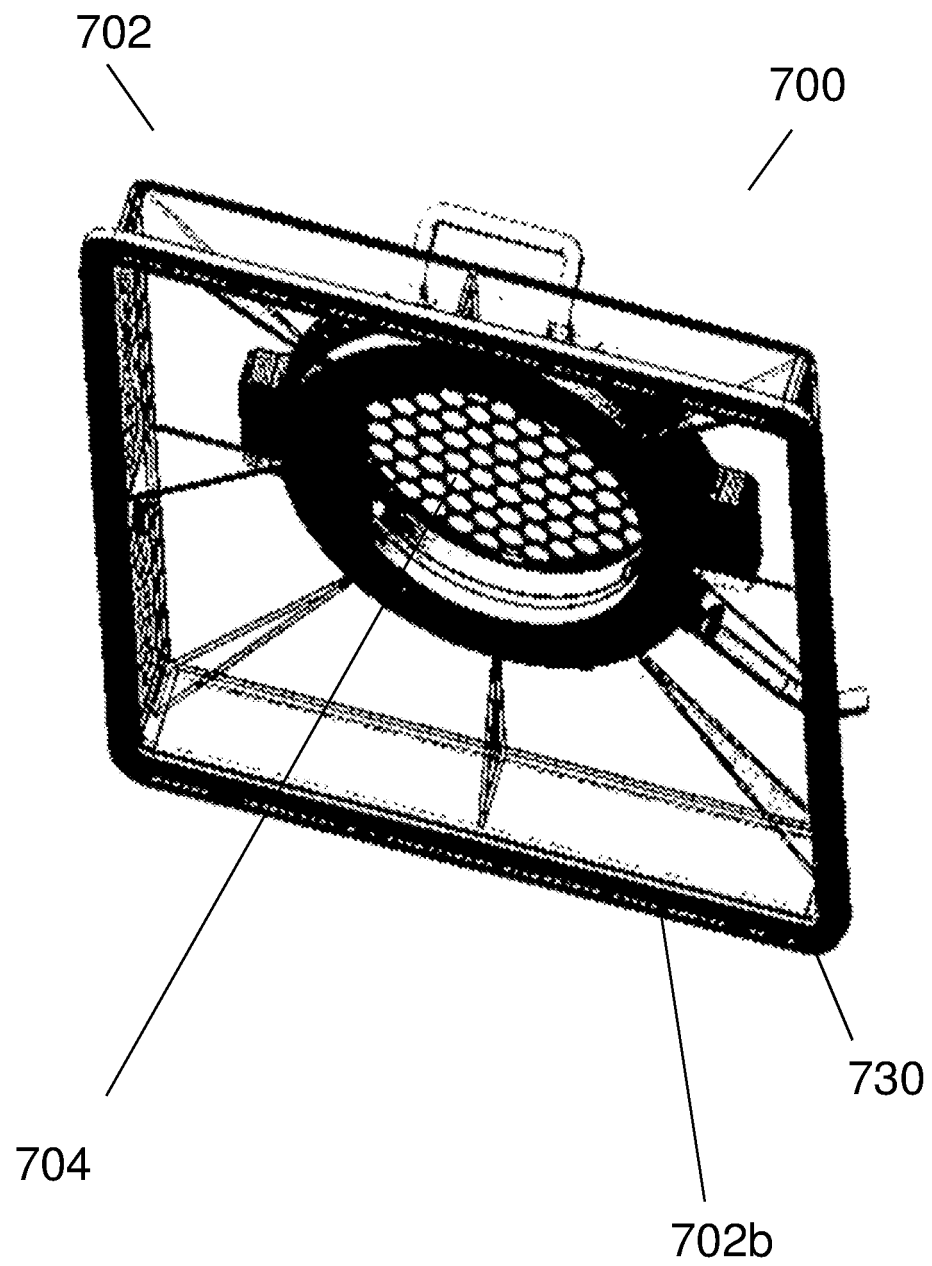
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FIG. 6



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FIG. 7A



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FIG. 7B

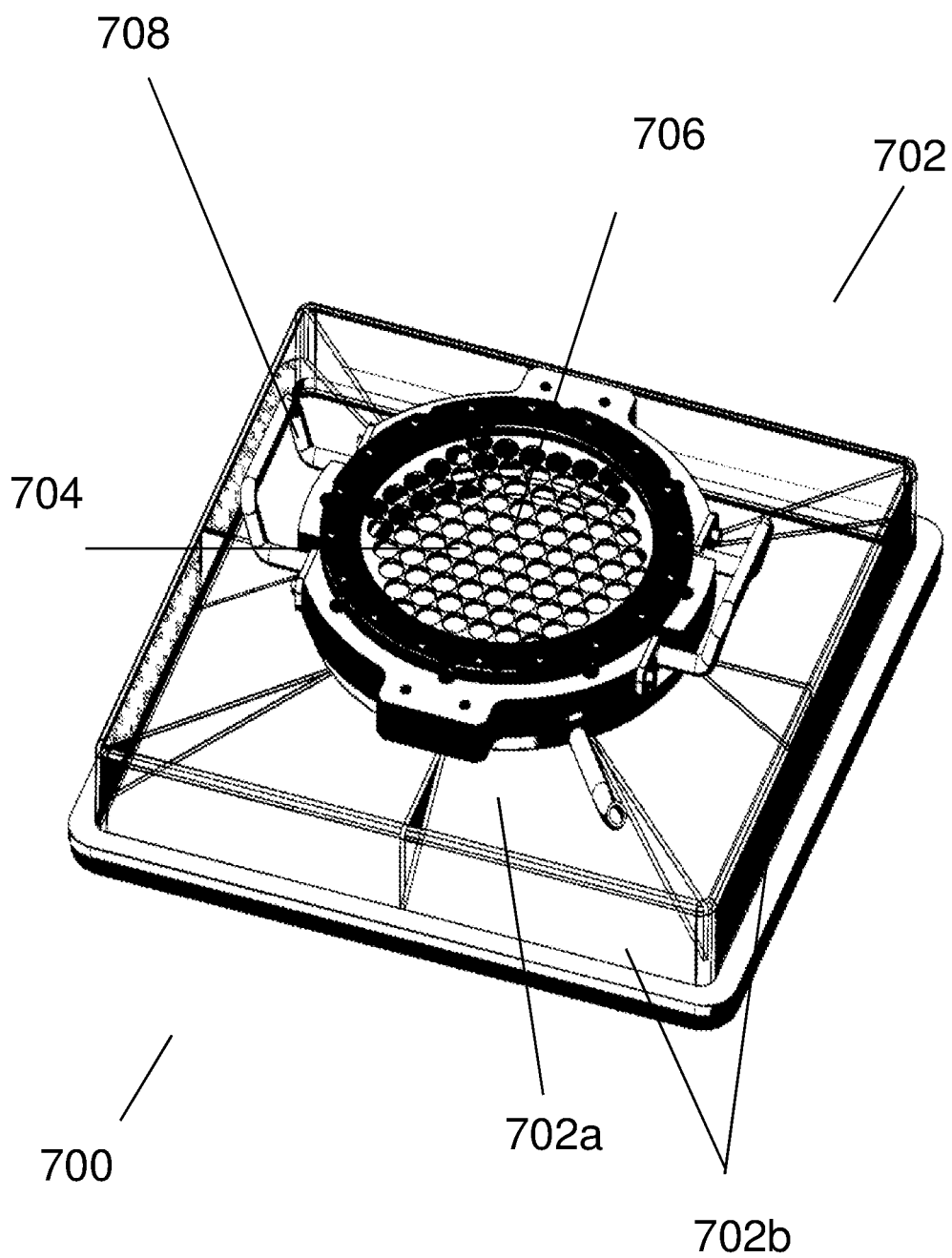


FIG. 8A

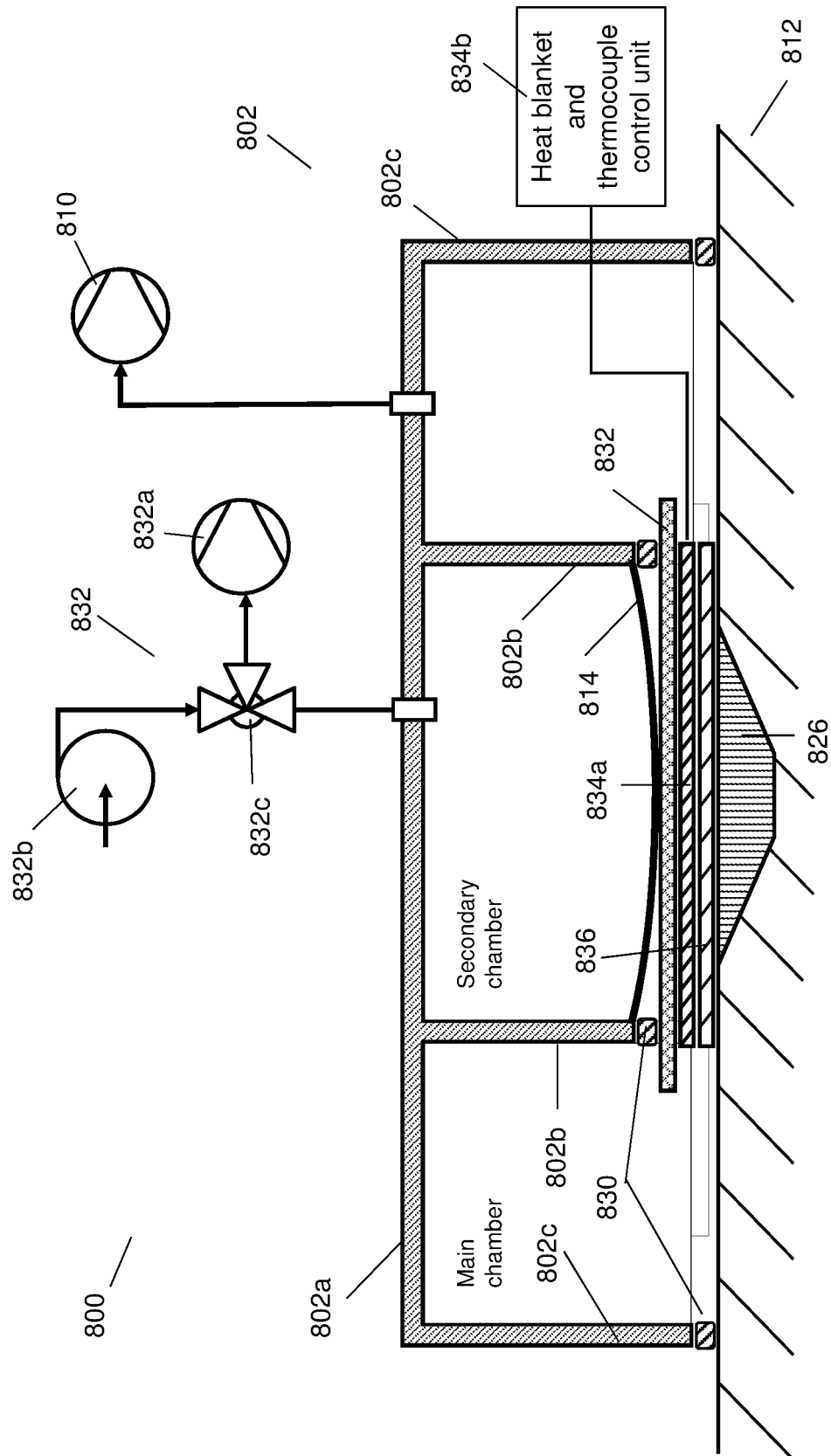


FIG. 8B

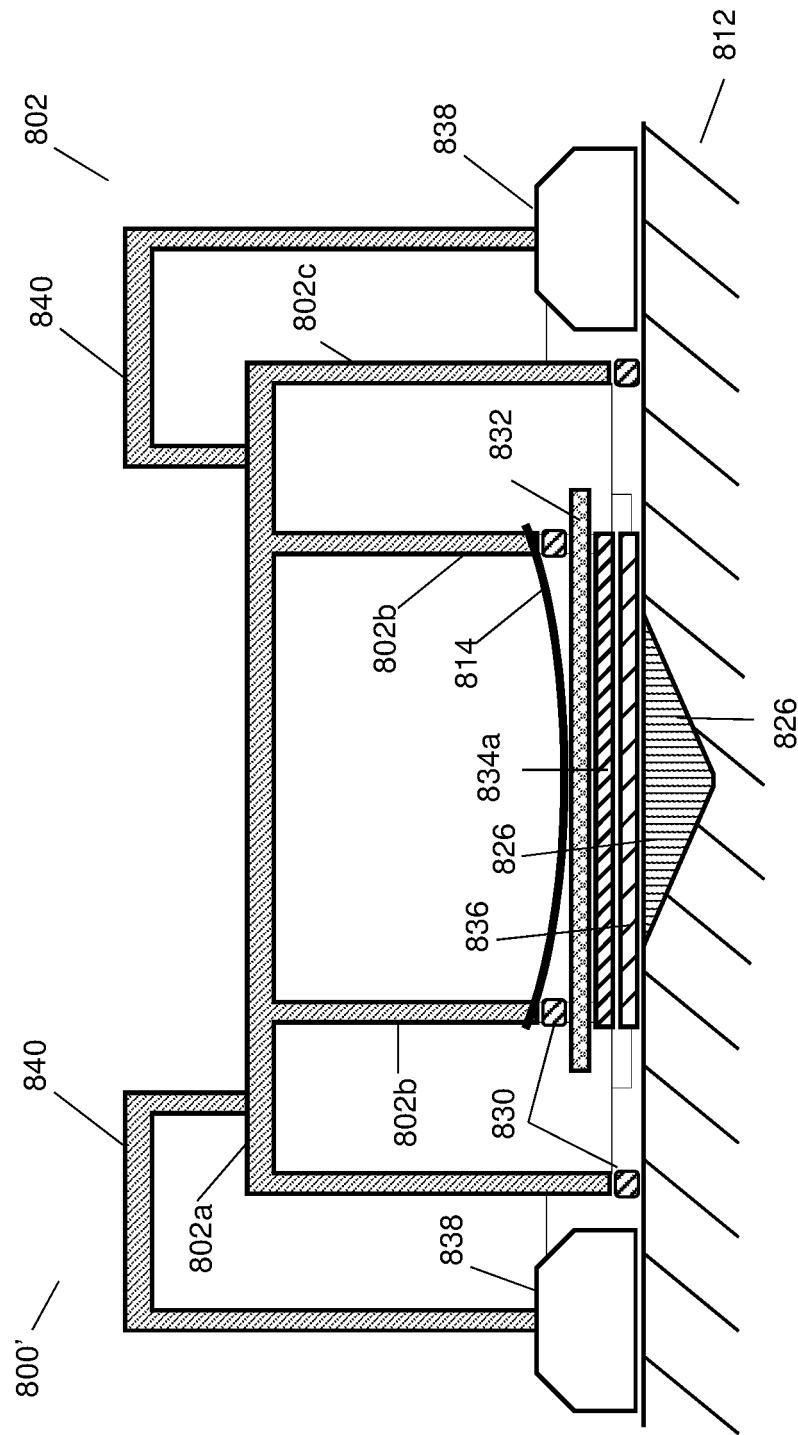
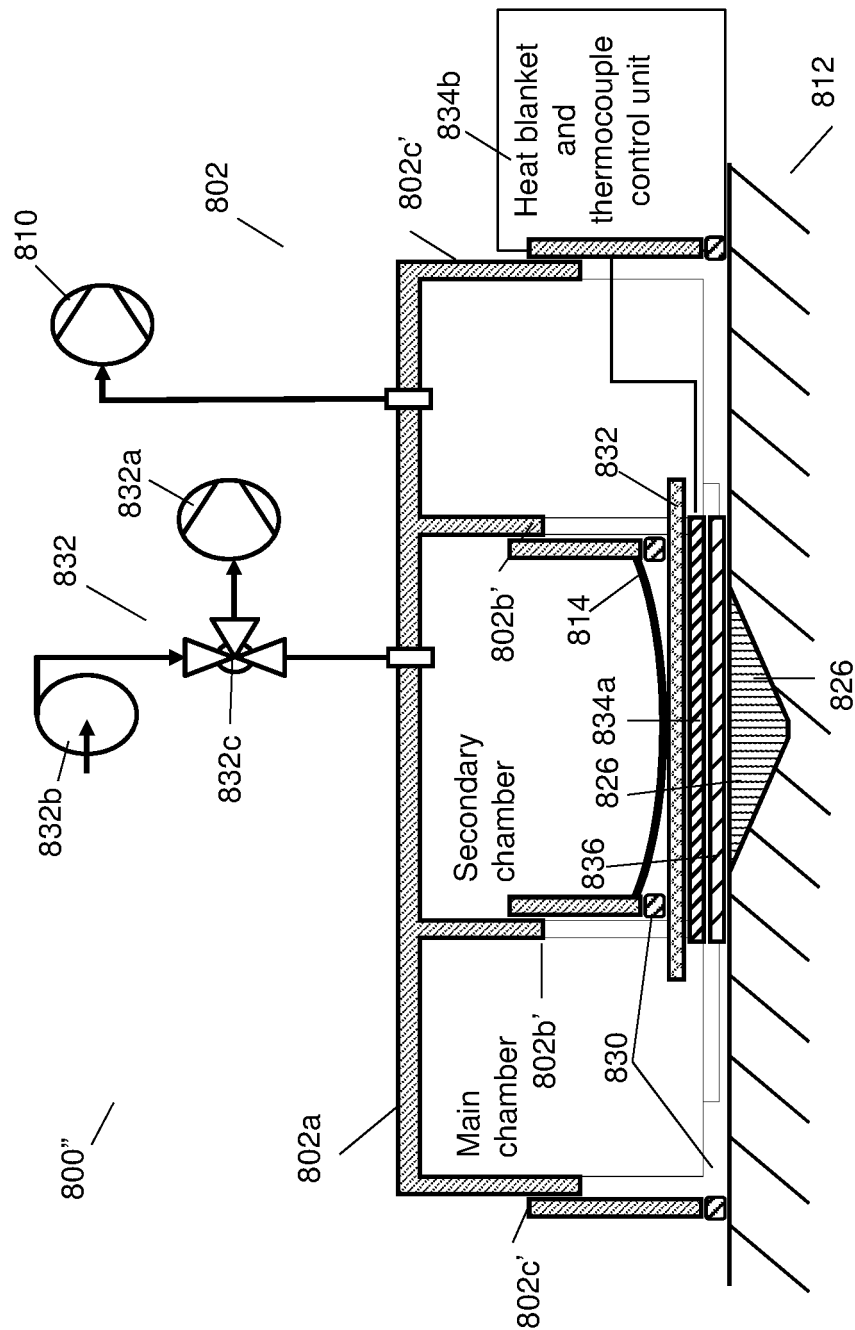


FIG. 8C



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FIG. 8D

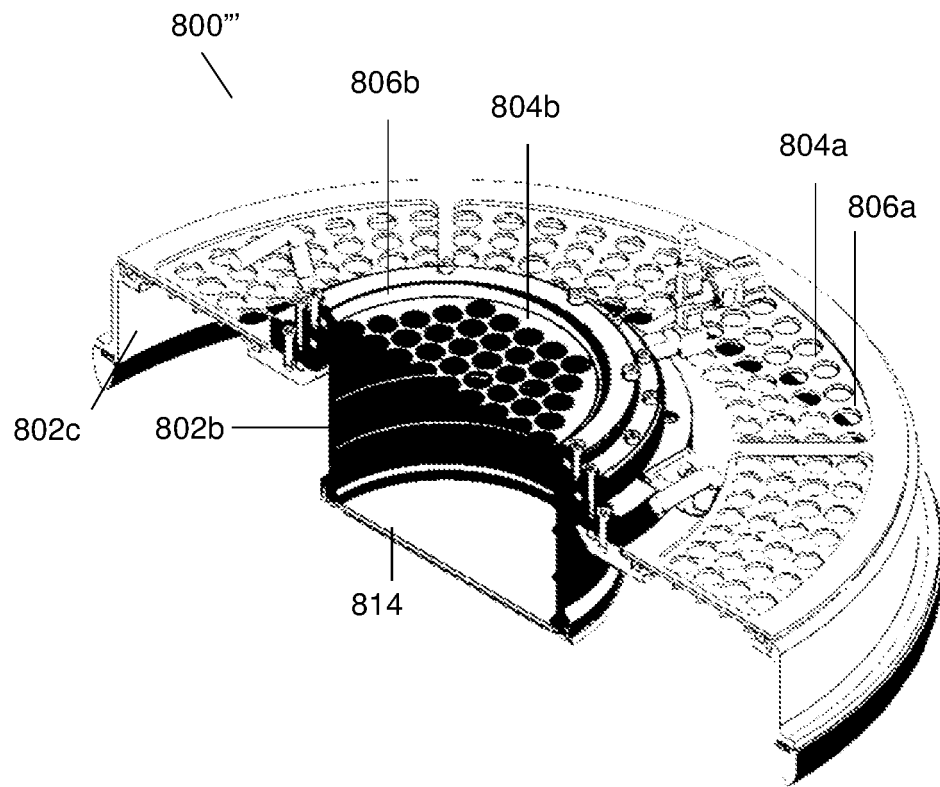
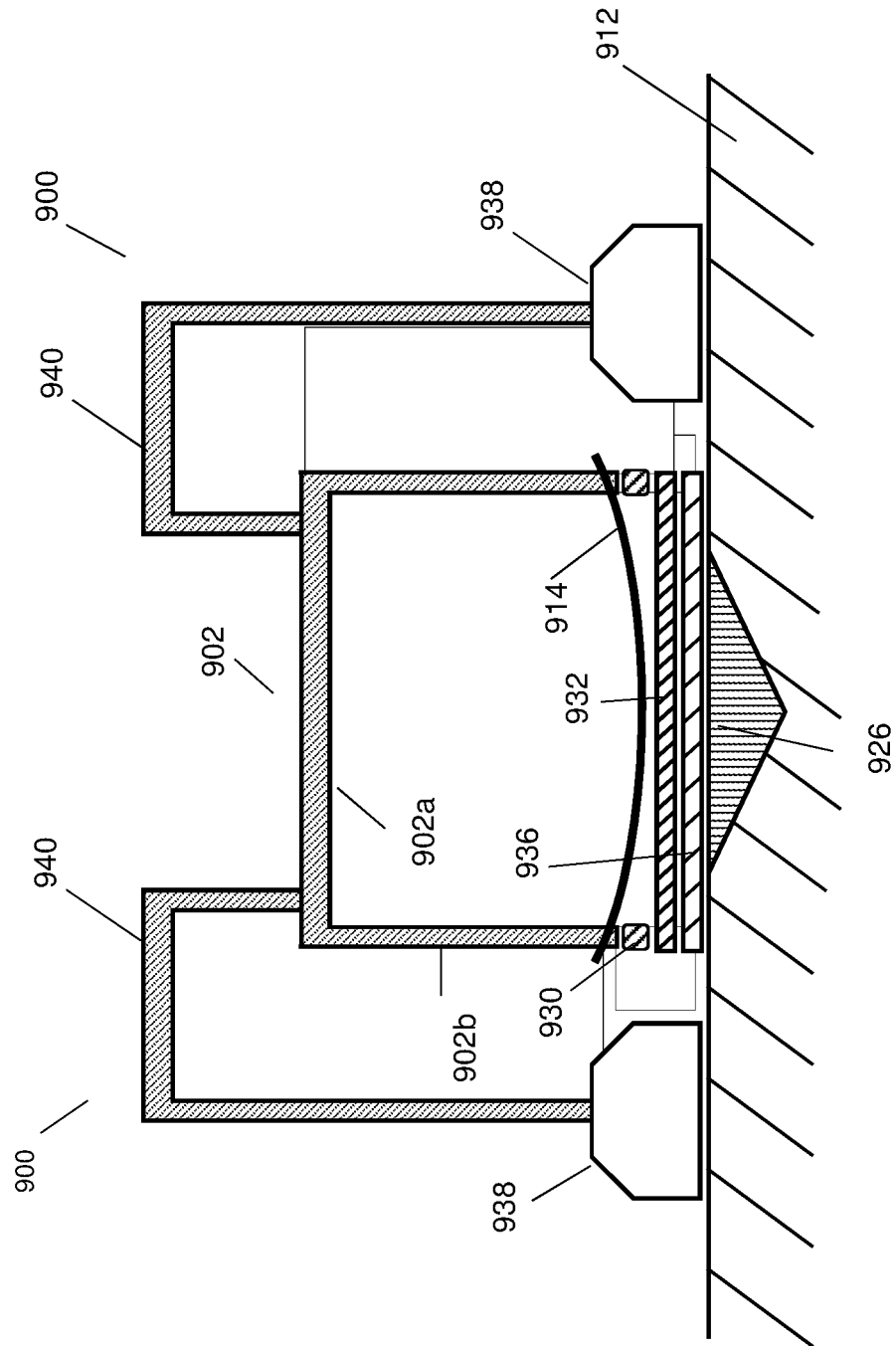


FIG. 9



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FIG. 10A

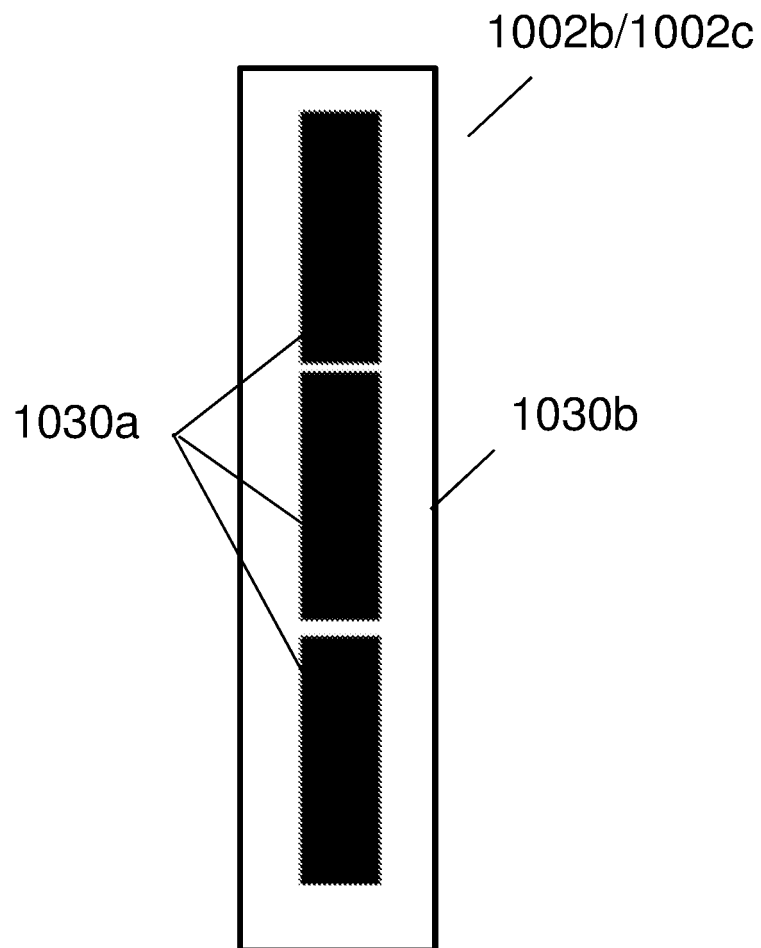
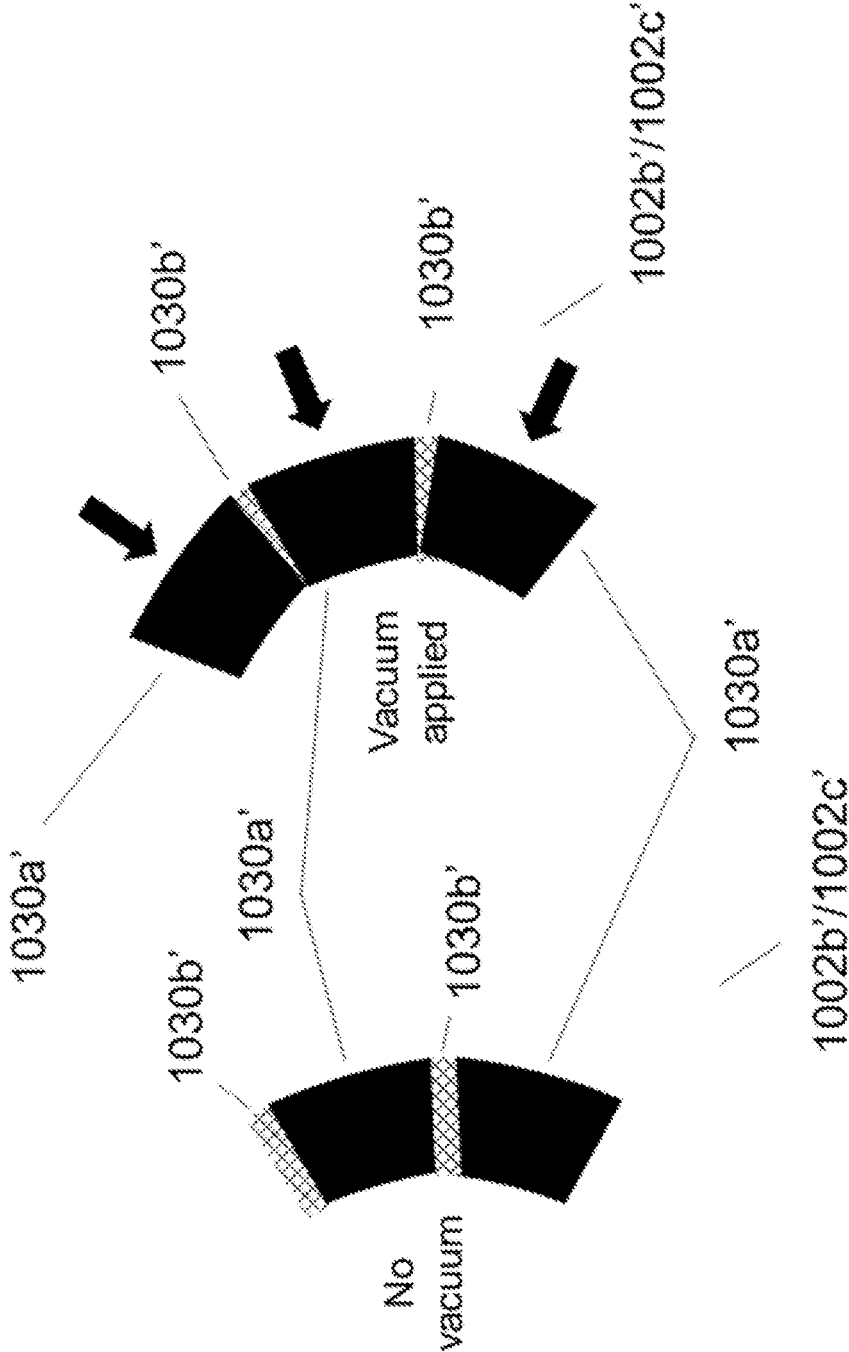
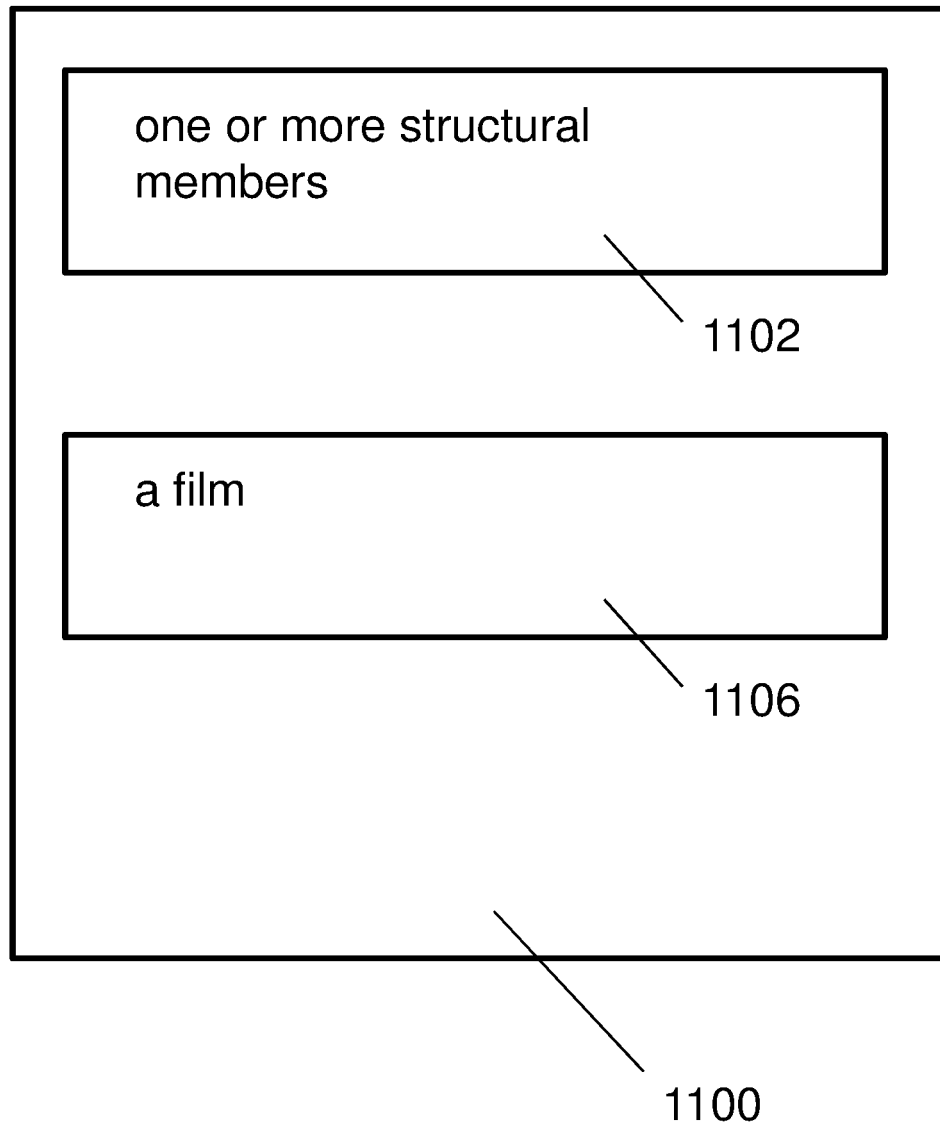


FIG. 10B

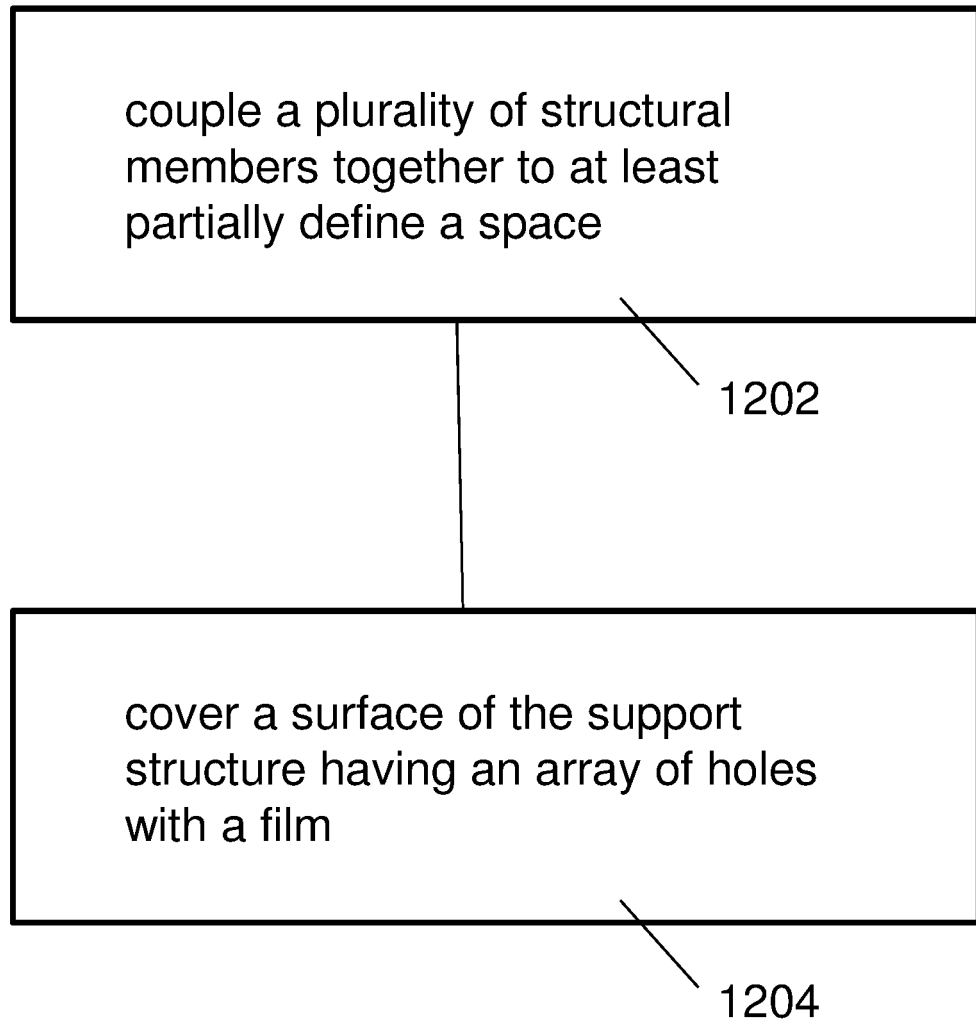


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FIG. 11



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FIG. 12

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FIG. 13

