Figure 1

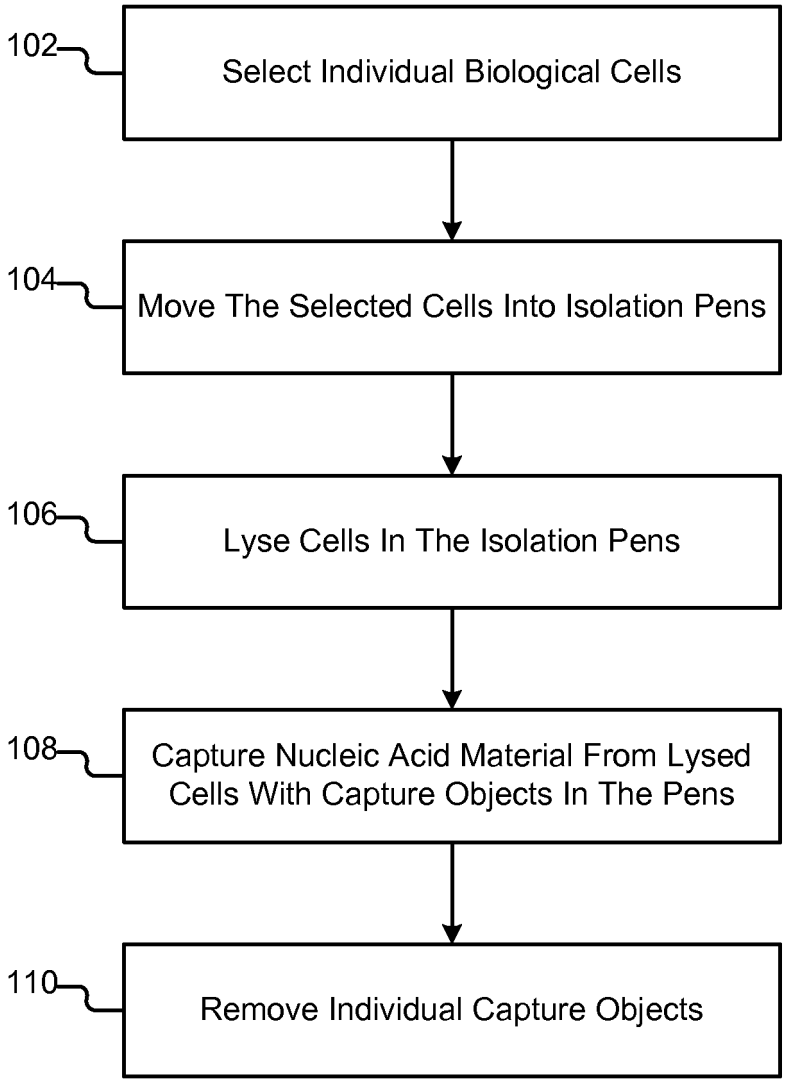
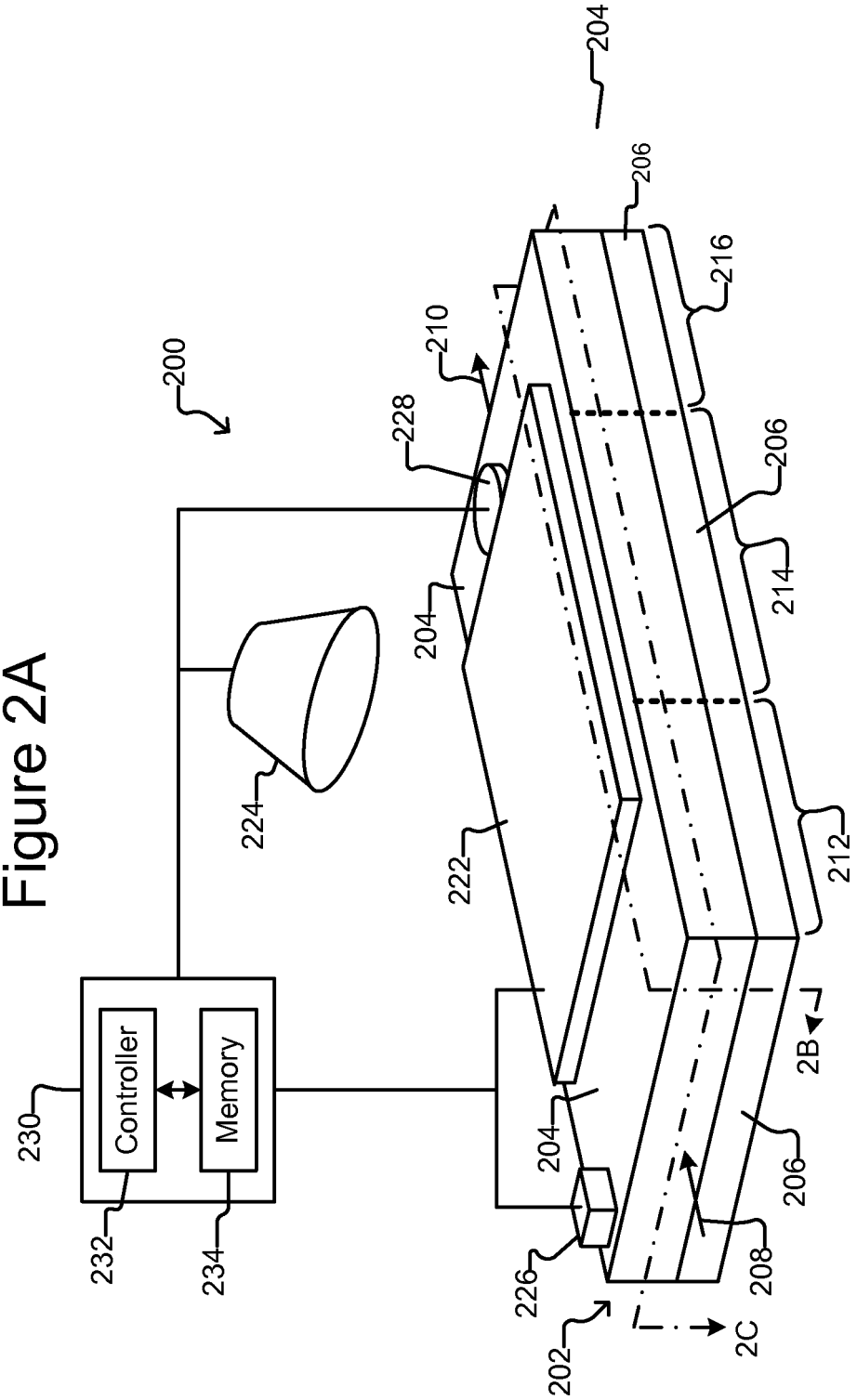

102
Select Individual Biological Cells
104
Move The Selected Cells Into Isolation Pens
106
Lyse Cells In The Isolation Pens
108
Capture Nucleic Acid Material From Lysed Cells With Capture Objects In The Pens
110
Remove Individual Capture Objects

Figure 2A


200
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2B
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Controller
Memory
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208
202
2C

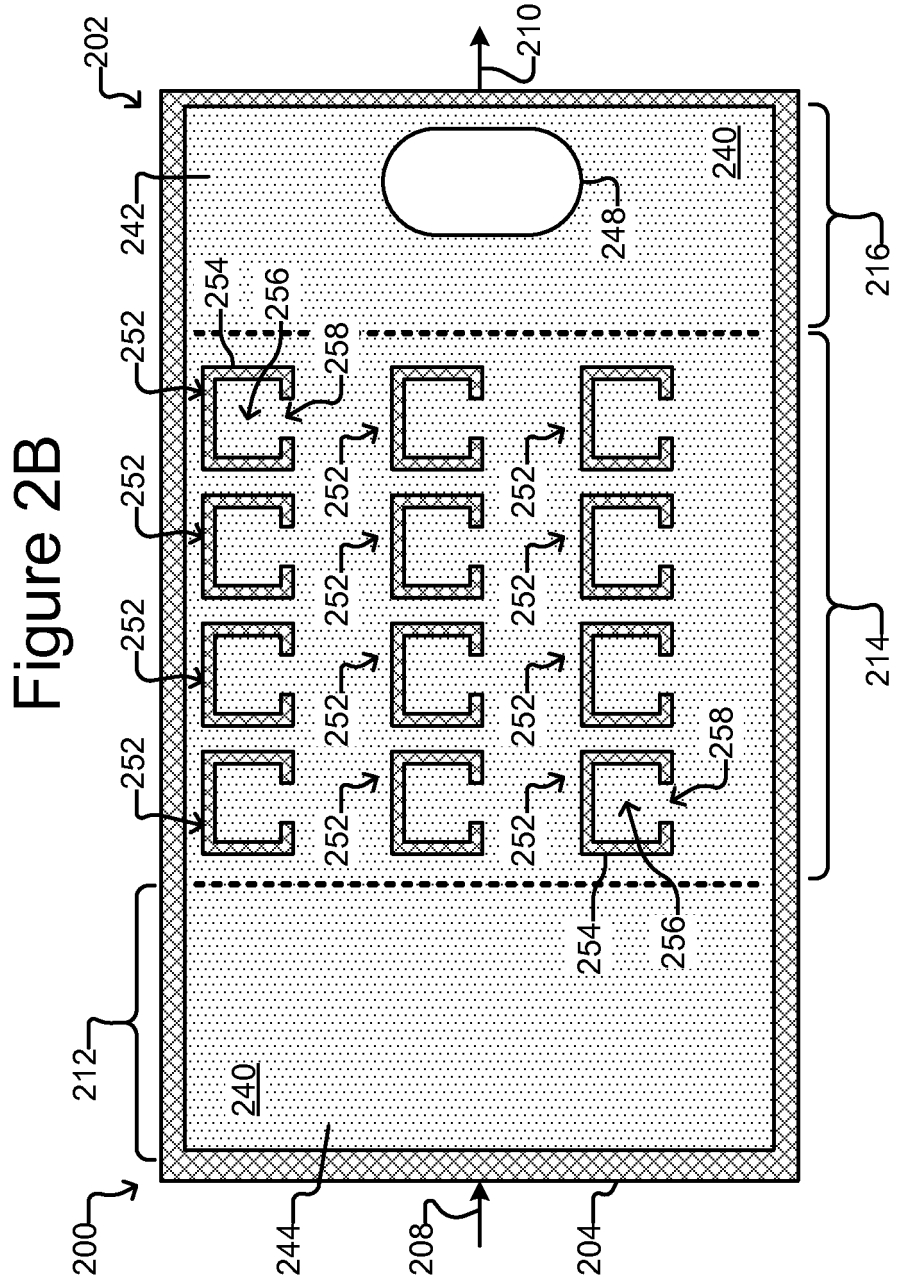


Figure 2B

Figure 2C

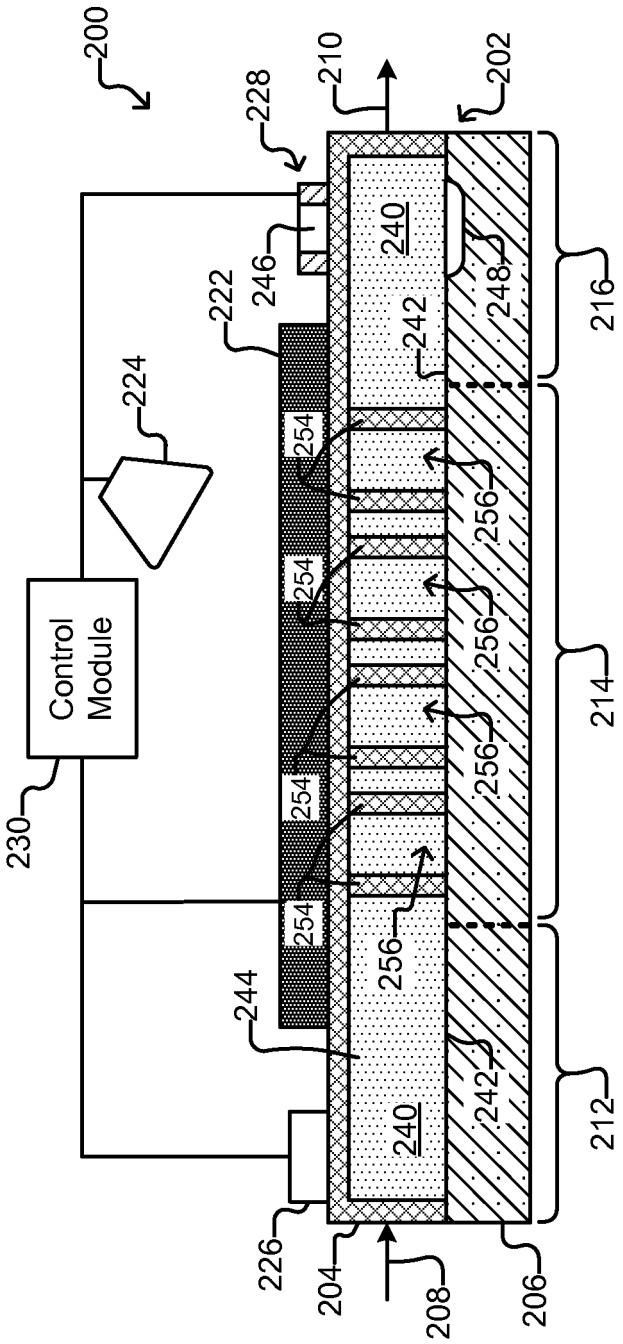


Figure 3

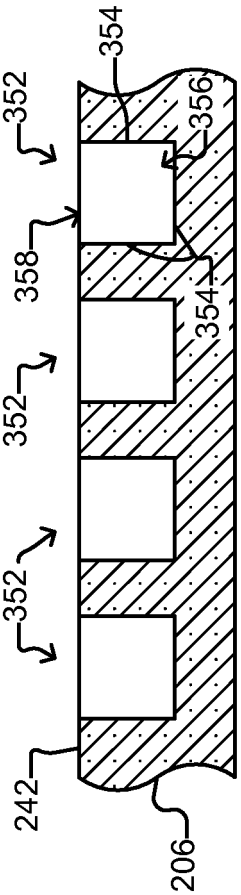


Figure 4A

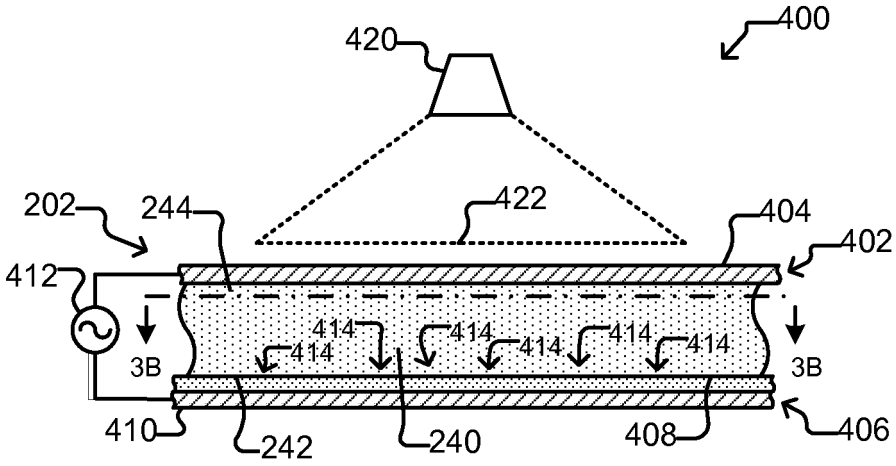


Figure 4B

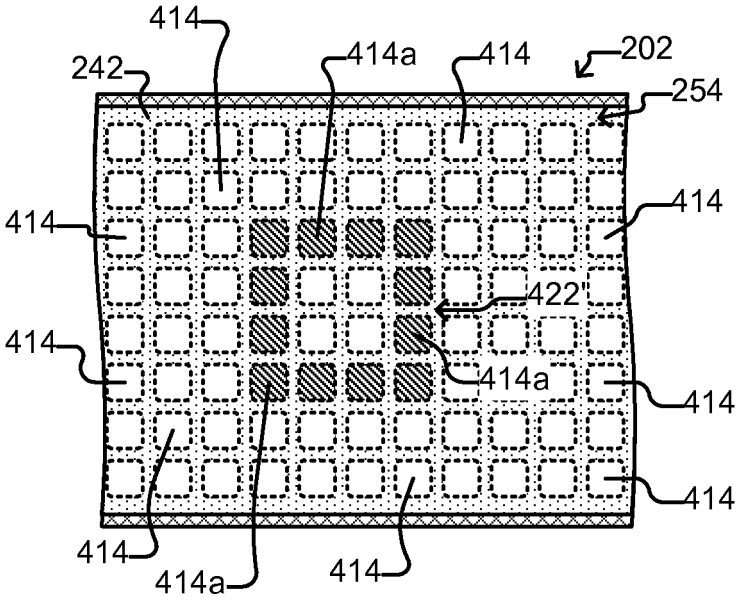


Figure 5

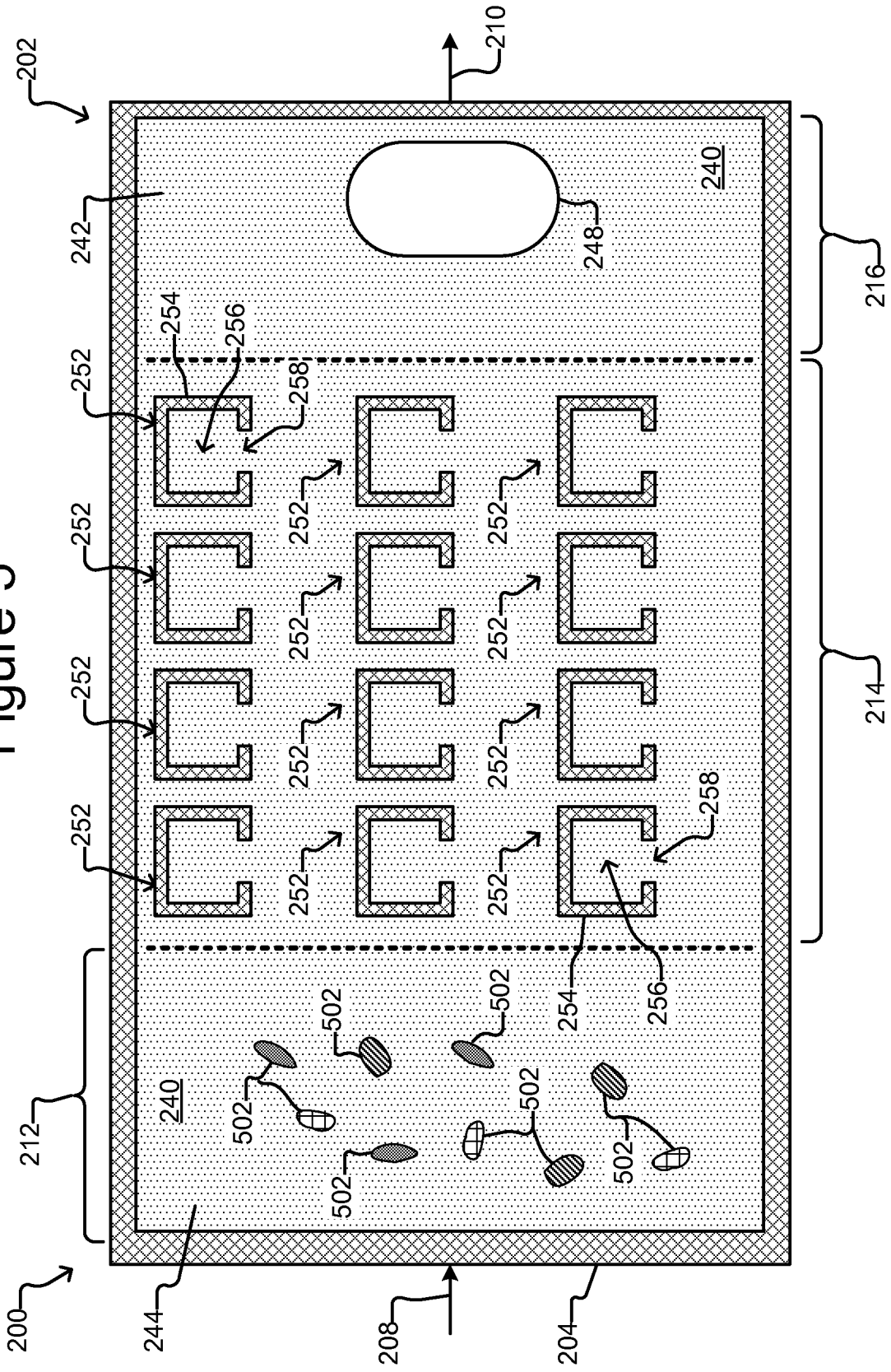

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Figure 6

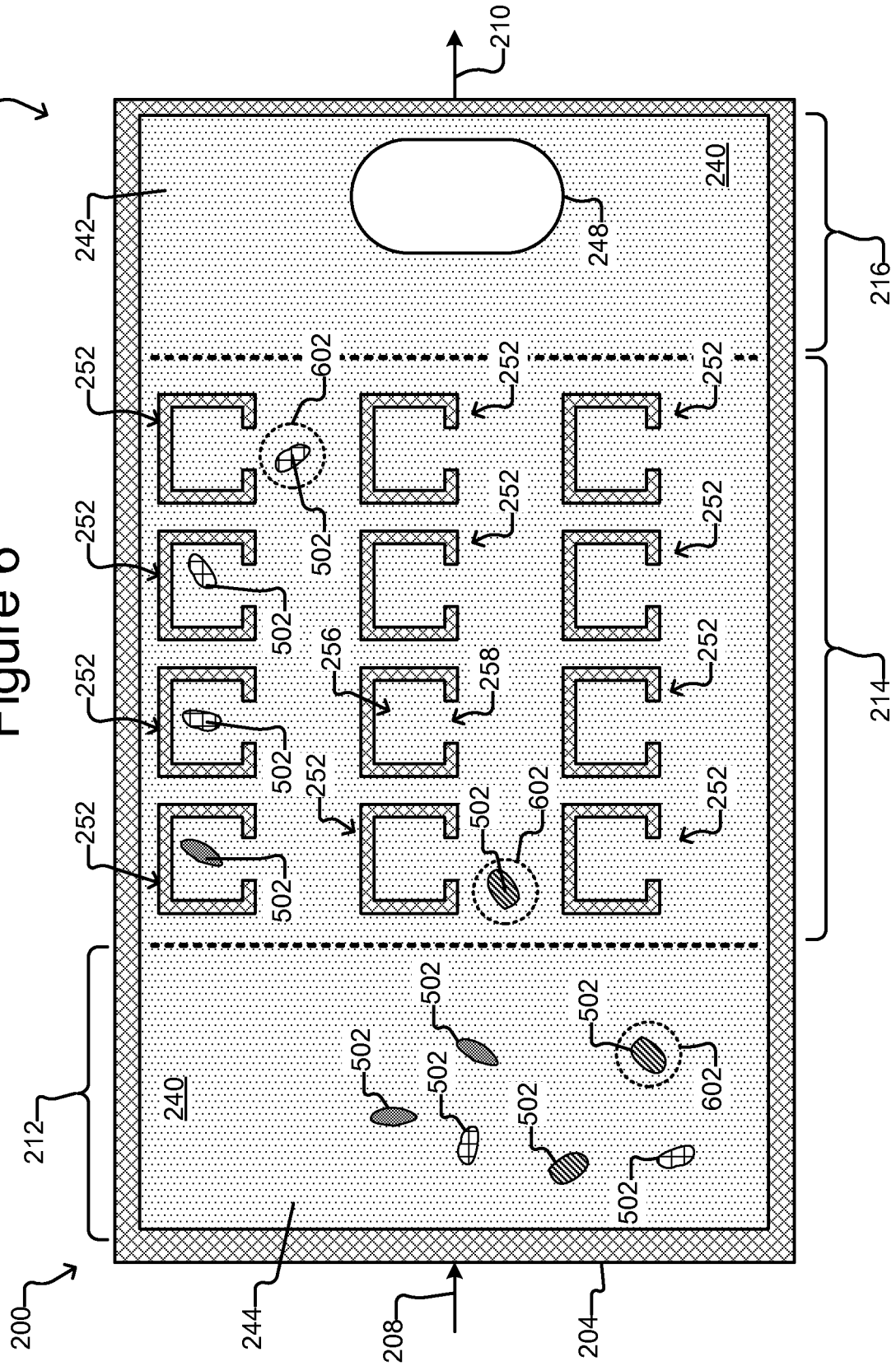

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Figure 7

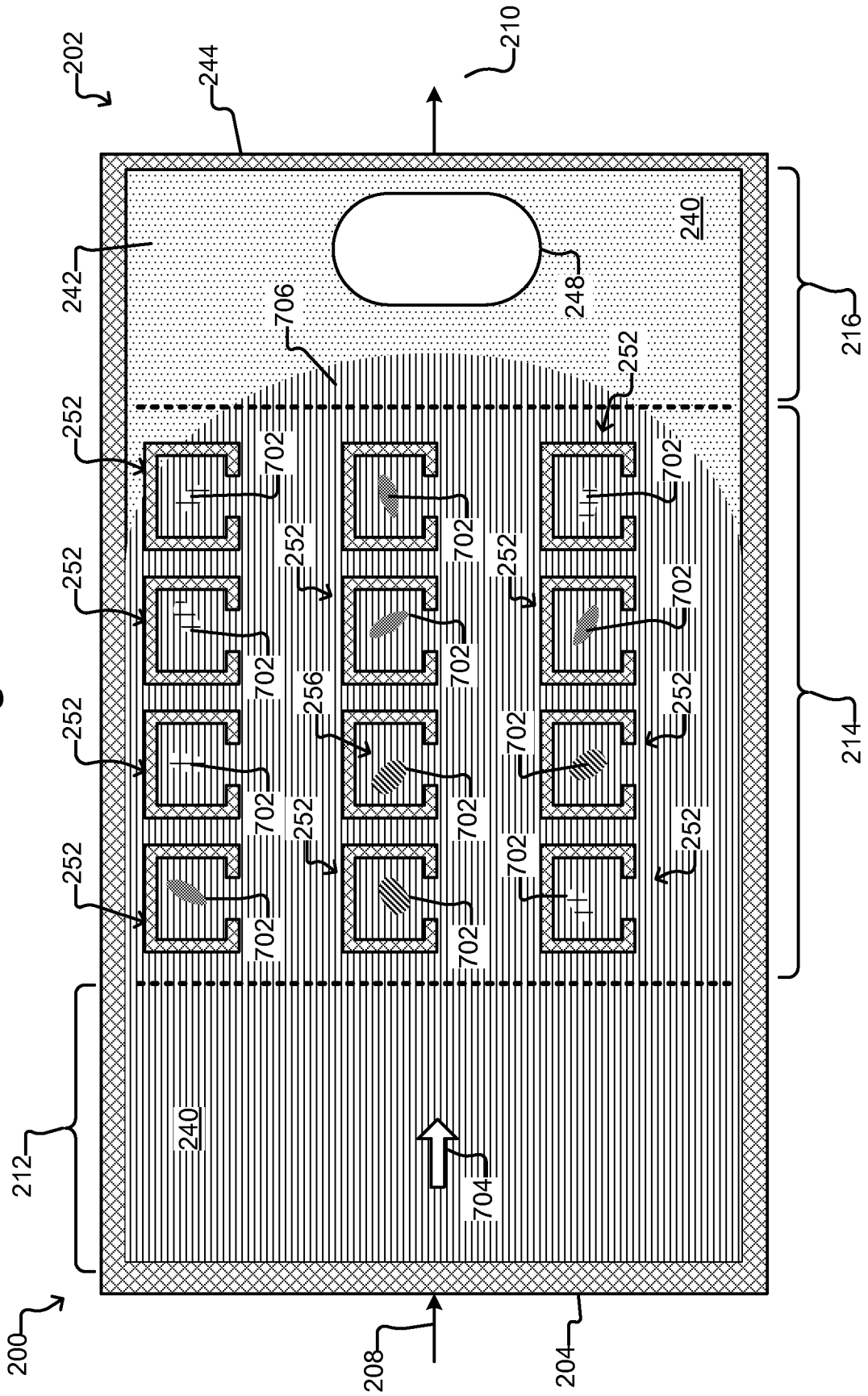

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Figure 8

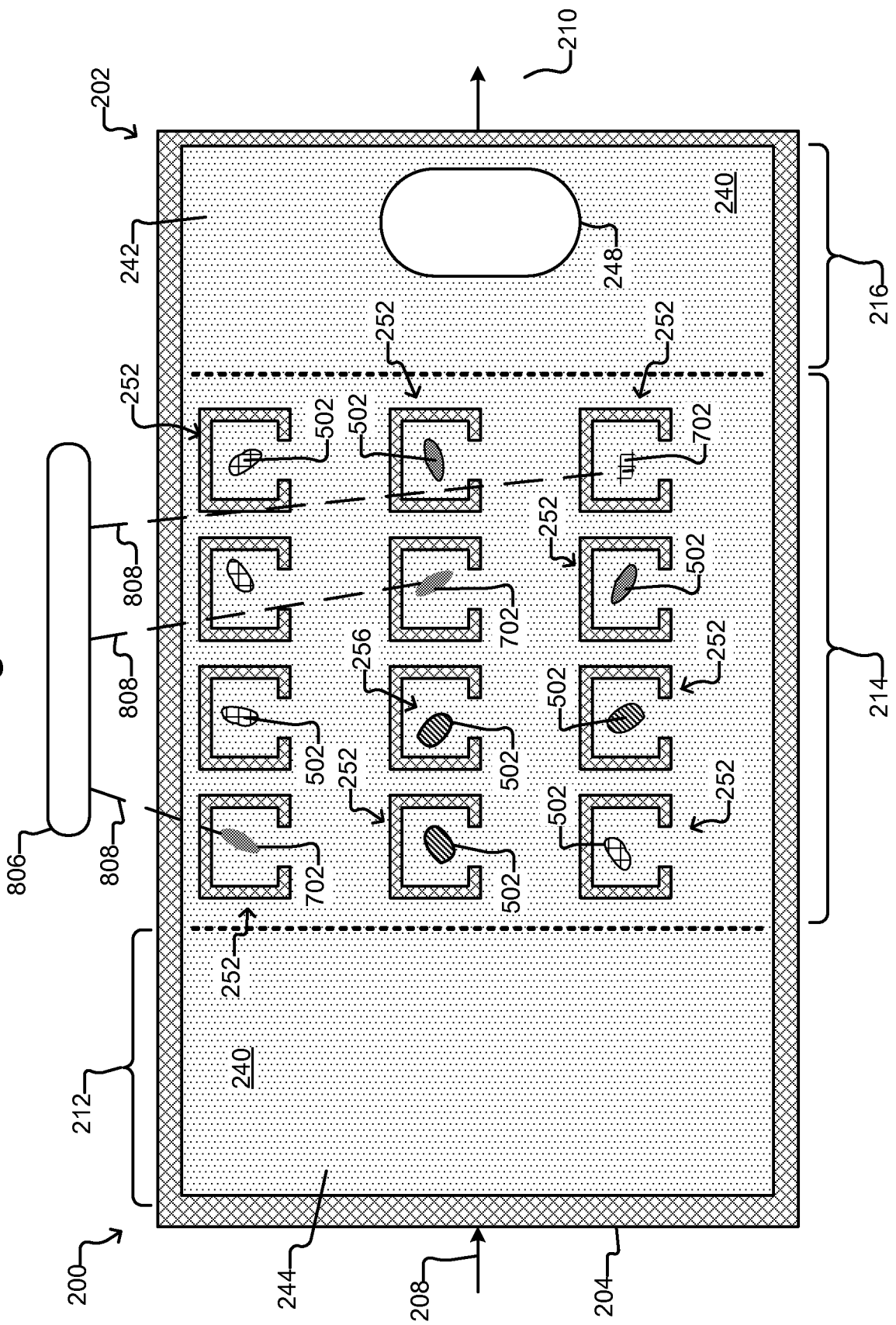

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Figure 9

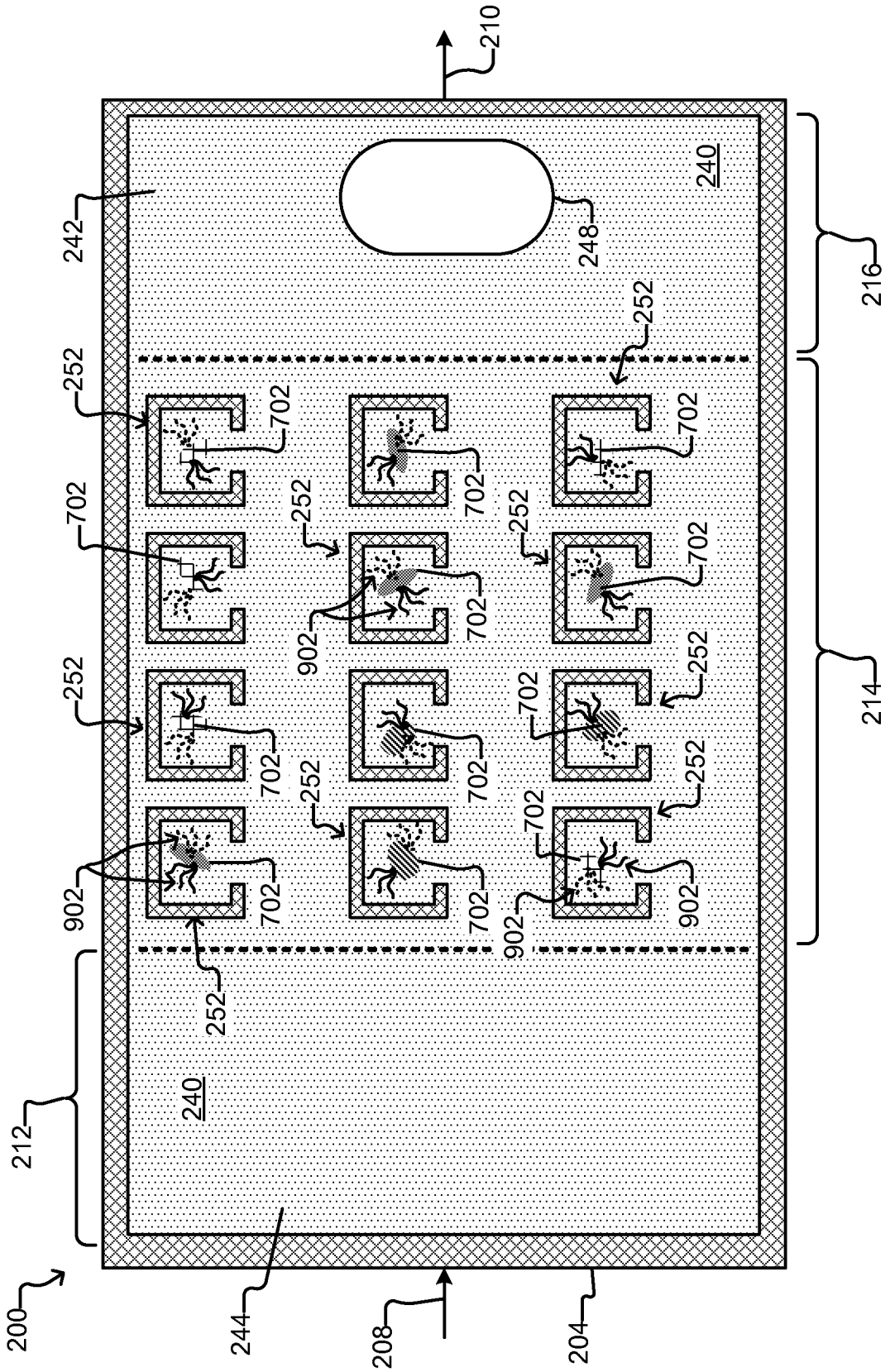


Figure 10

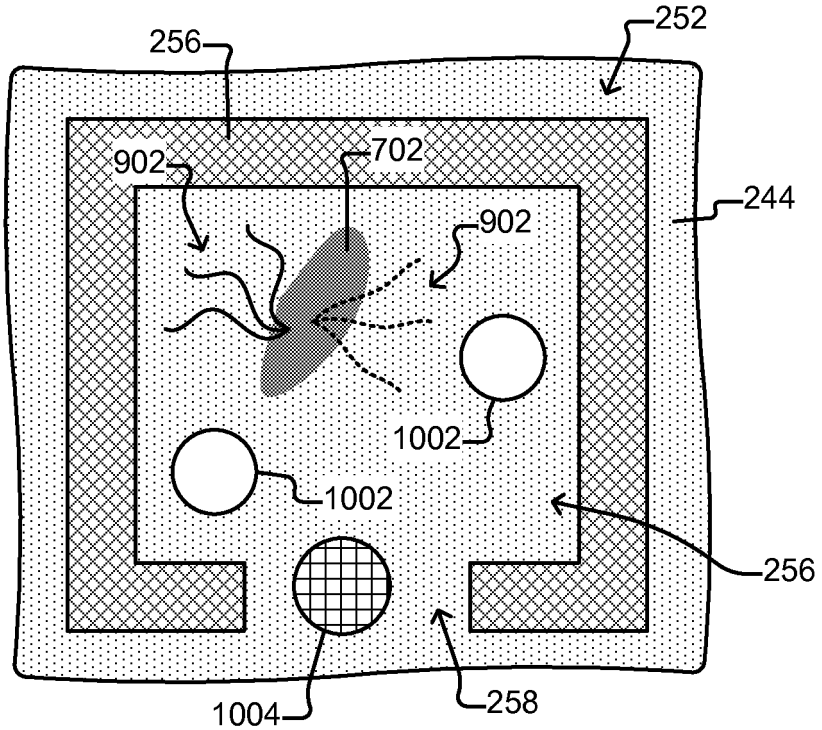


Figure 11

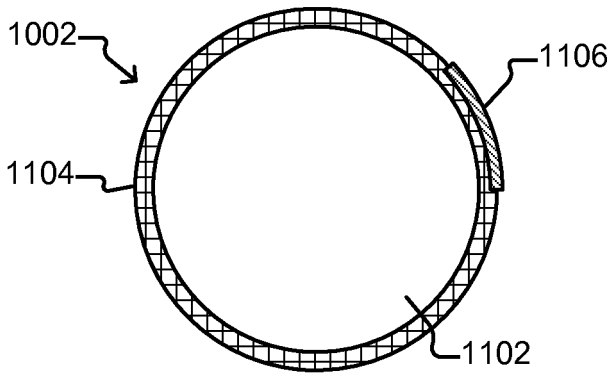


Figure 12A

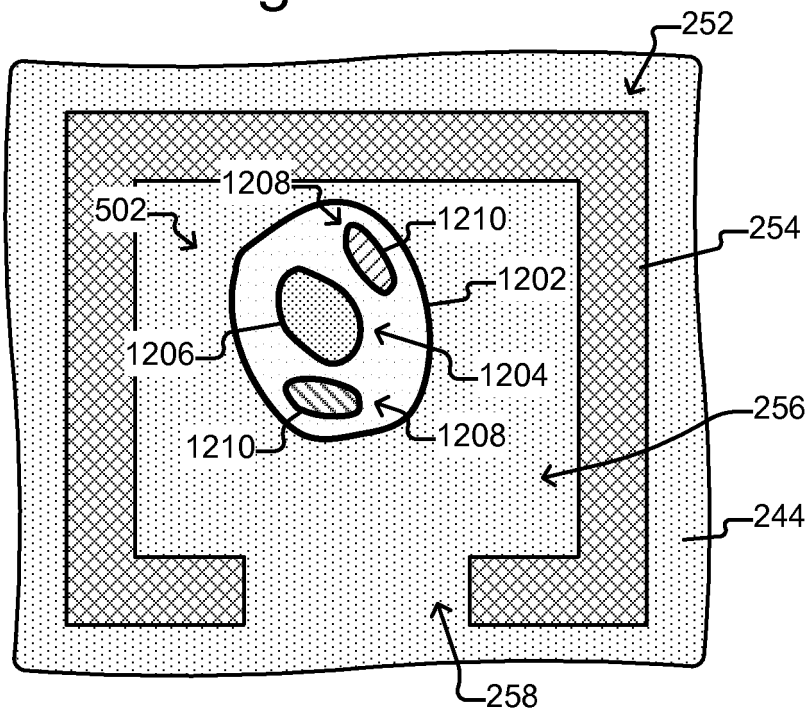


Figure 12B

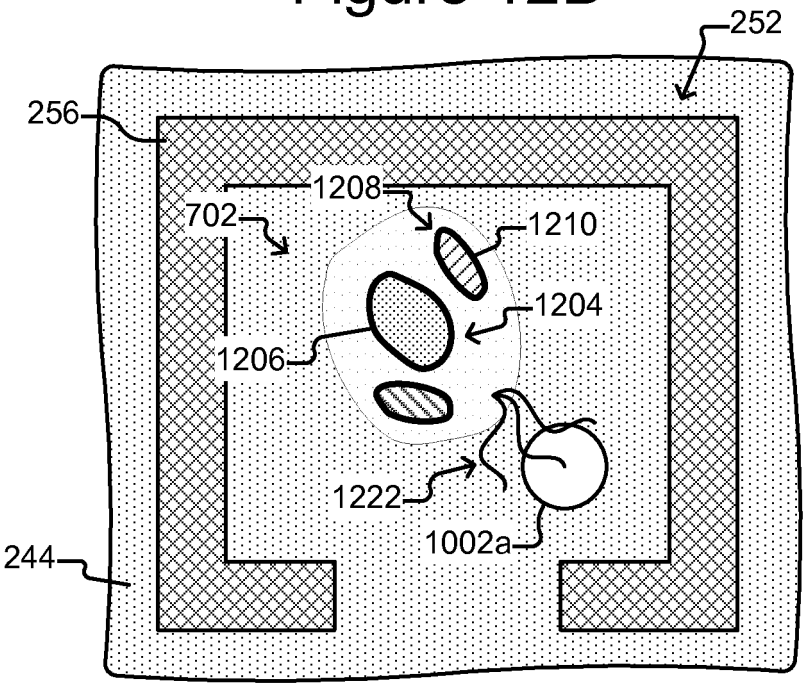


Figure 12C

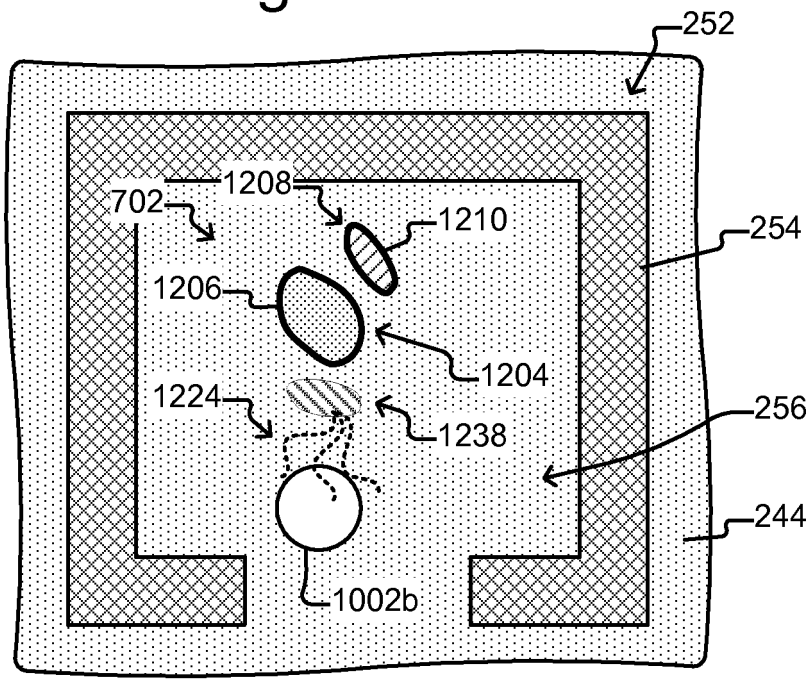


Figure 12D

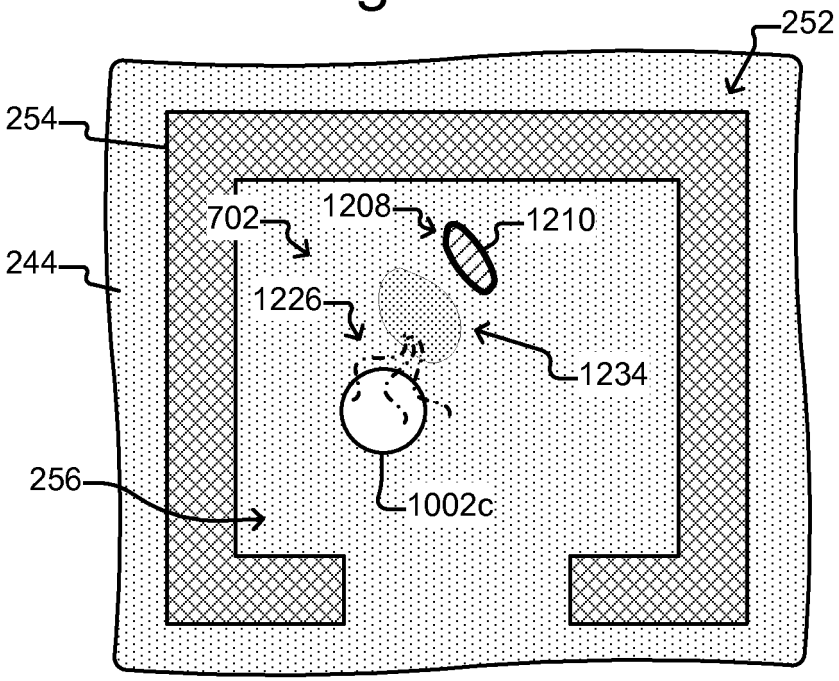


Figure 13

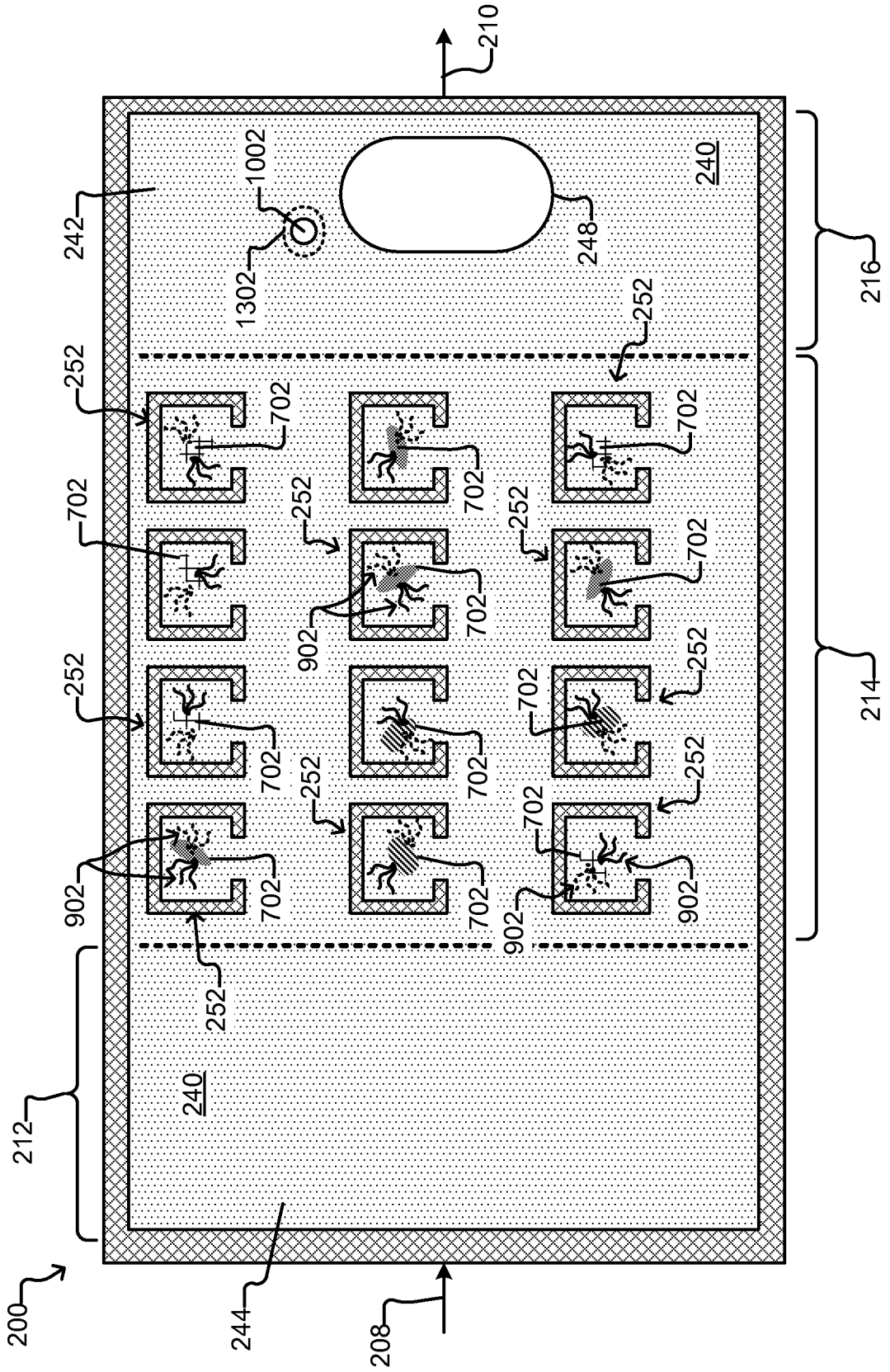


Figure 14

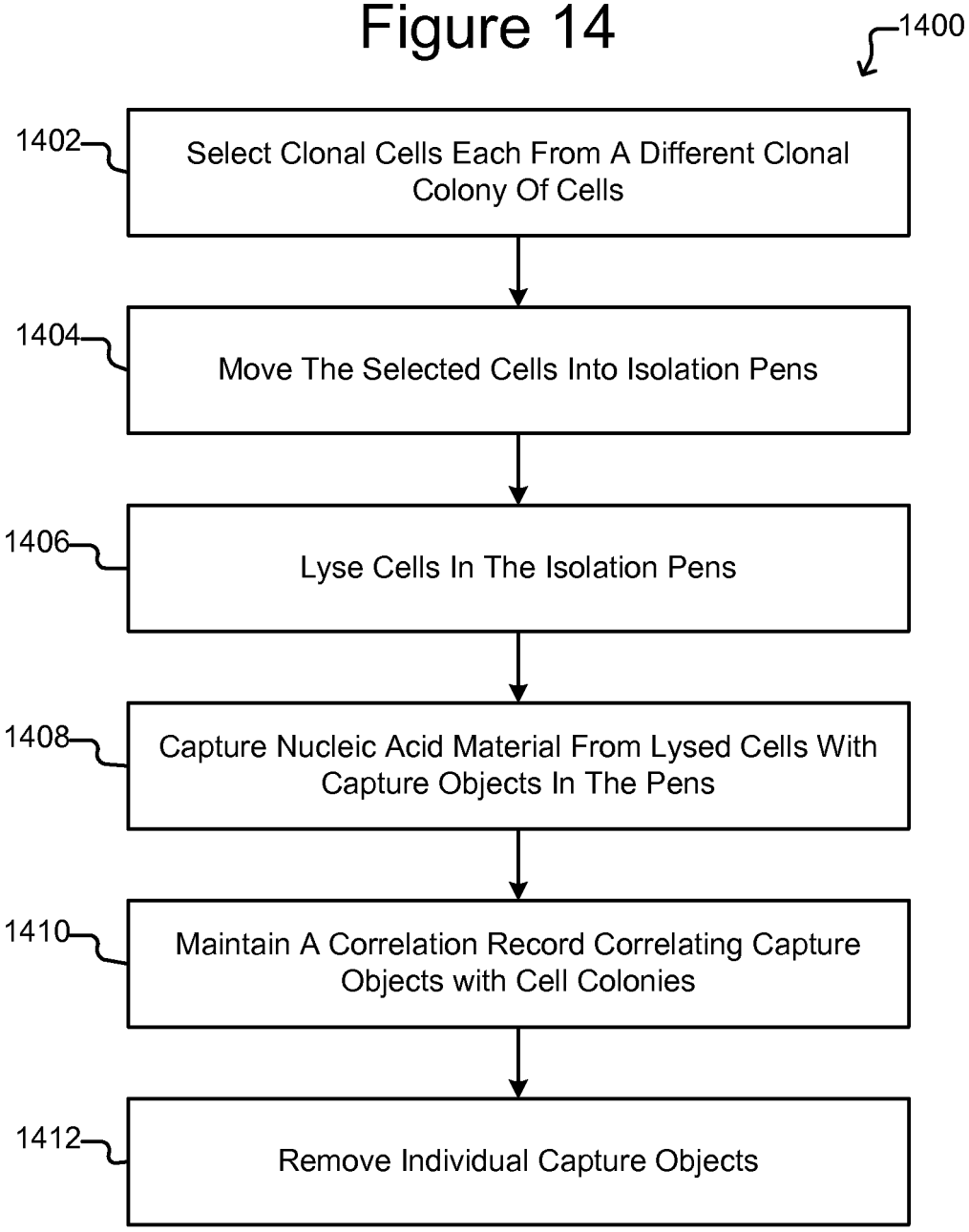

1400
1402
Select Clonal Cells Each From A Different Clonal Colony Of Cells
1404
Move The Selected Cells Into Isolation Pens
1406
Lyse Cells In The Isolation Pens
1408
Capture Nucleic Acid Material From Lysed Cells With Capture Objects In The Pens
1410
Maintain A Correlation Record Correlating Capture Objects with Cell Colonies
1412
Remove Individual Capture Objects

Figure 15

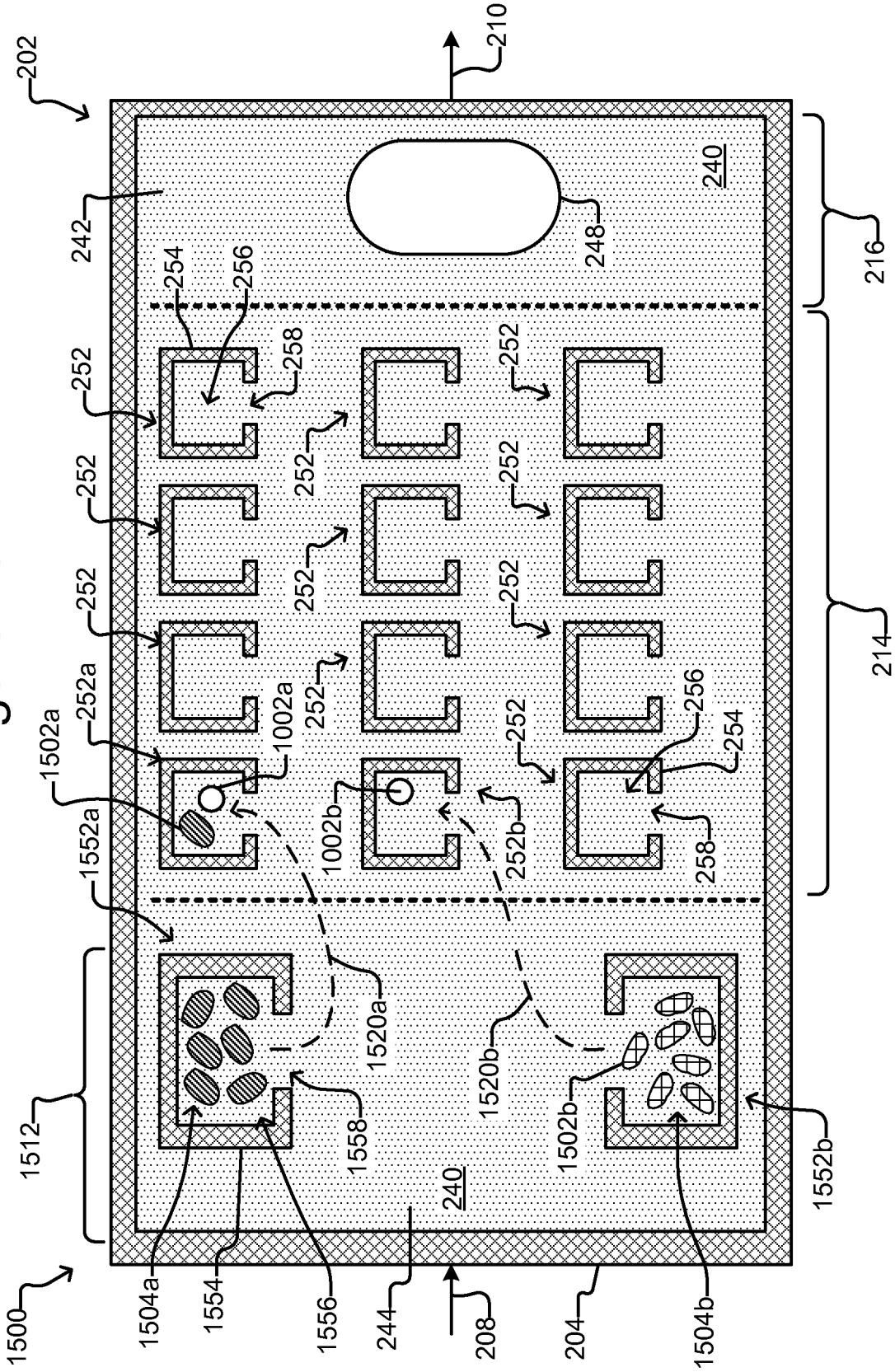

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1002b
252b
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1502b
1552b
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1504a
1554
1556
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1504b

Figure 16

Fig. 16A

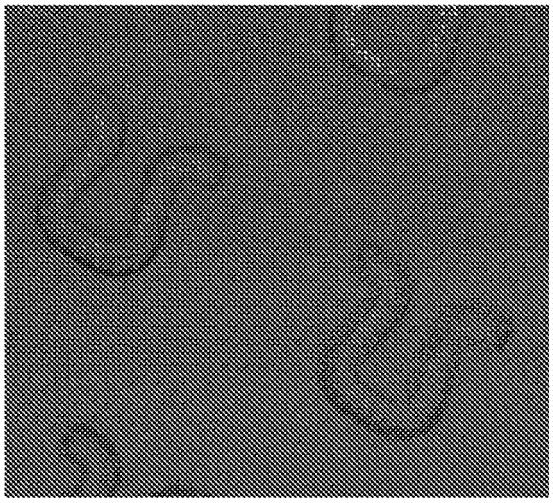
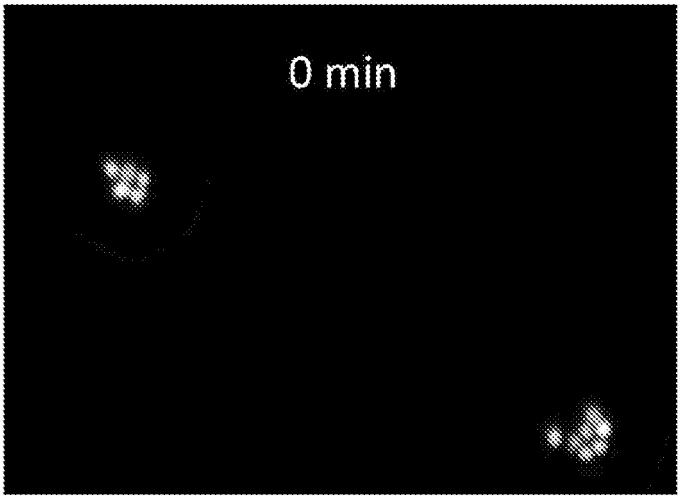


Fig. 16B



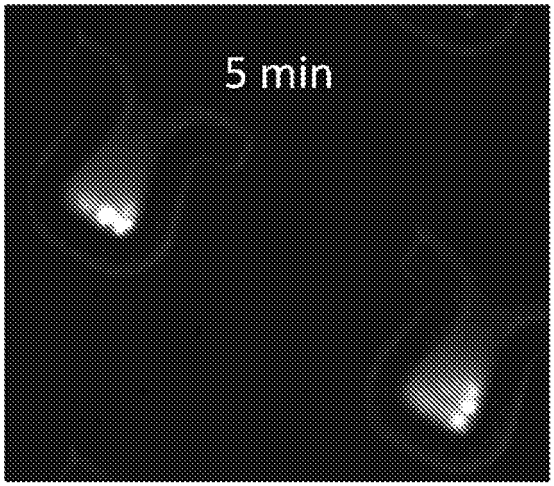


Fig. 16C

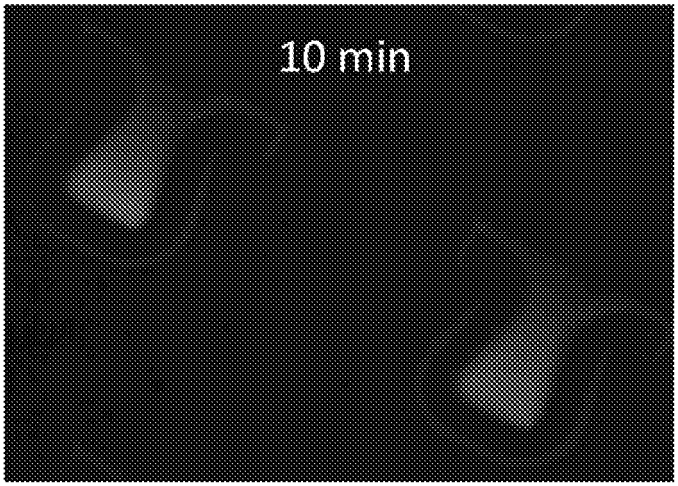


Fig. 16D