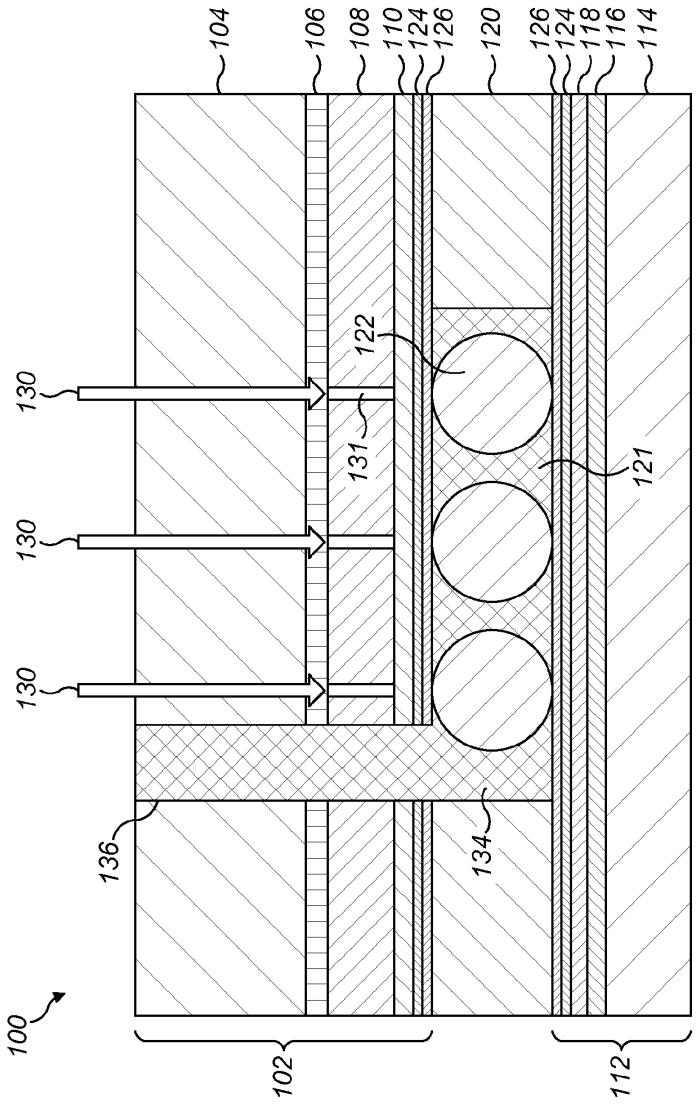

104
106
108
110
124
126
120
126
124
118
116
114
122
130
131
121
130
130
136
134
100
102
112

FIG. 1A

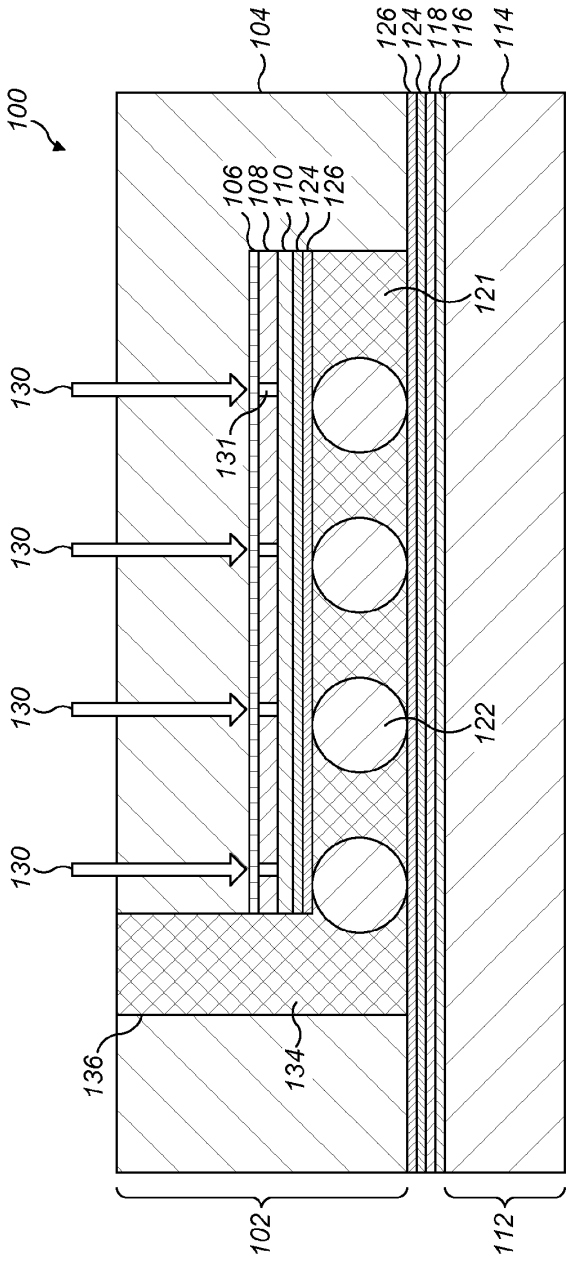

100
104
126
124
118
116
114
106
108
110
124
126
121
130
131
130
130
130
122
136
134
102
112

FIG. 1B

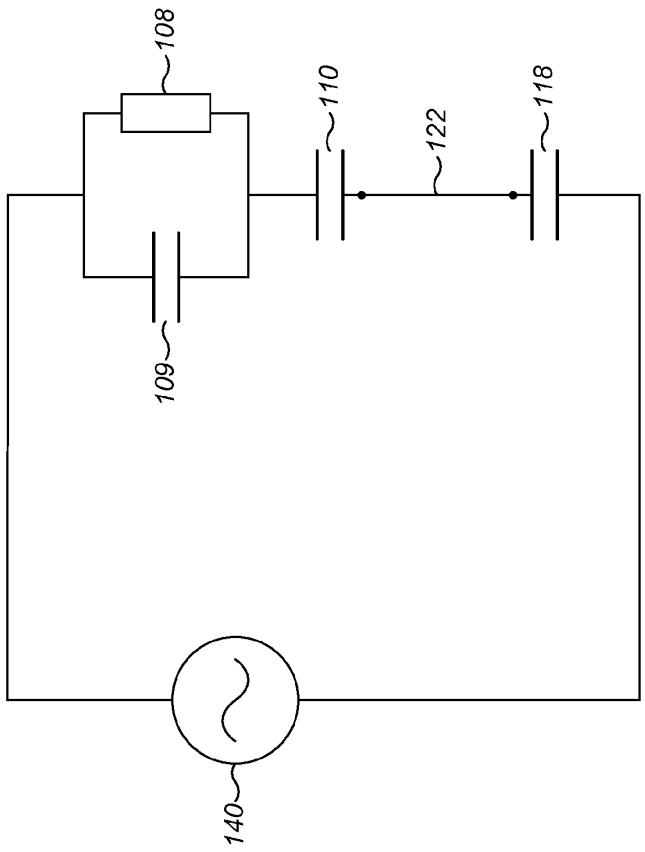


FIG. 2

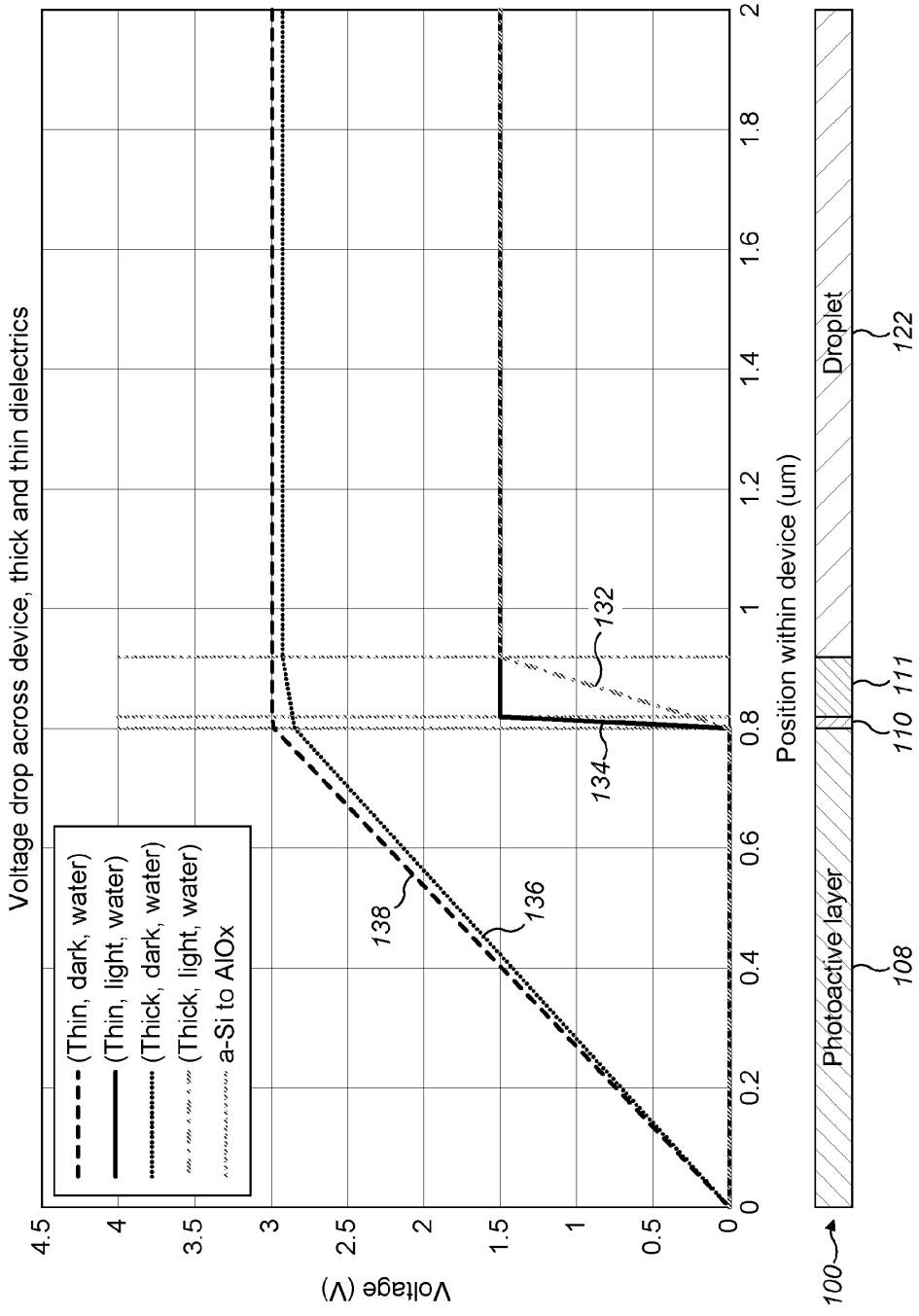

Voltage drop across device, thick and thin dielectrics
(Thin, dark, water)
(Thin, light, water)
(Thick, dark, water)
(Thick, light, water)
a-Si to AlOx
Voltage (V)
Position within device (um)
138
136
134
132
Photoactive layer
Droplet
108
110
111
122
100

FIG. 3

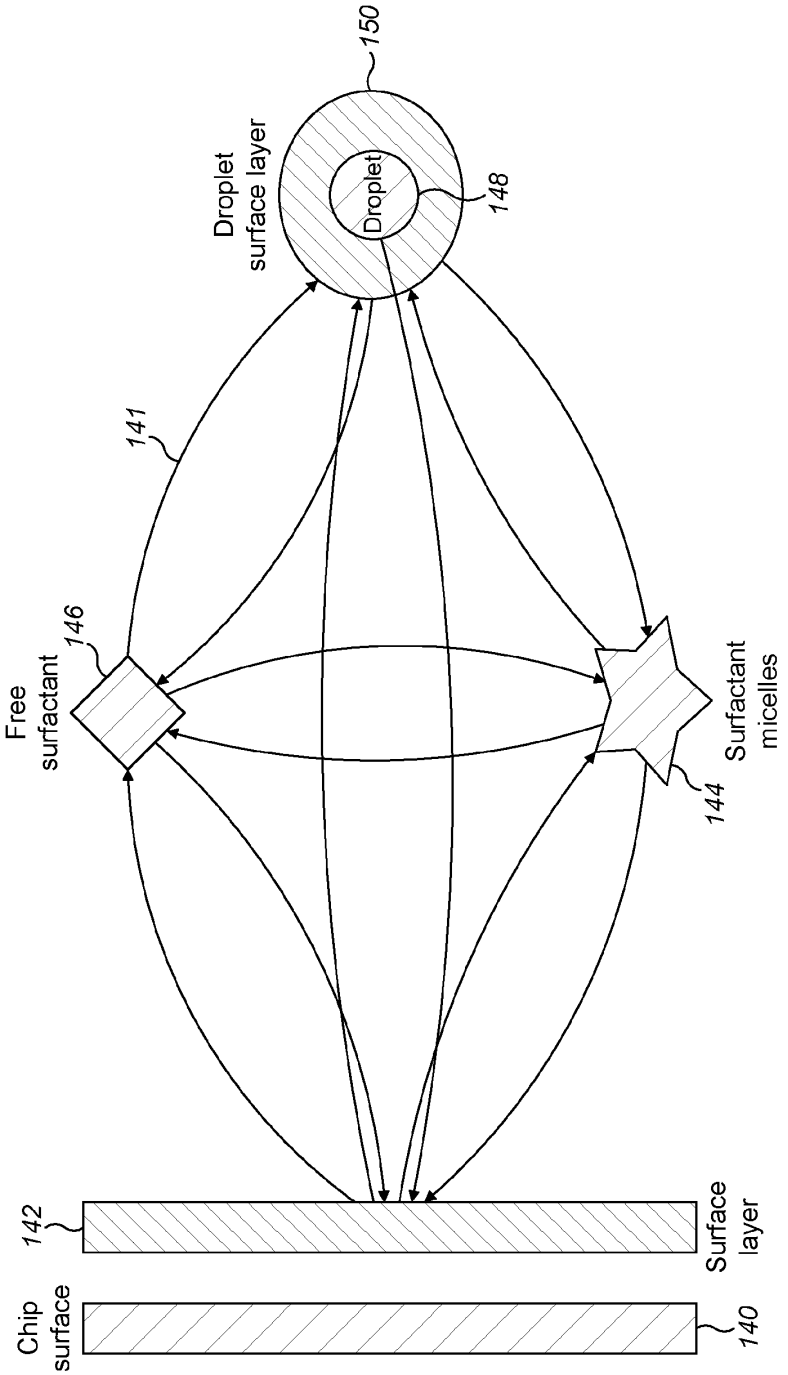

150
Droplet surface layer
Droplet
148
141
146
Free surfactant
Surfactant micelles
144
142
Surface layer
Chip surface
140

FIG. 4

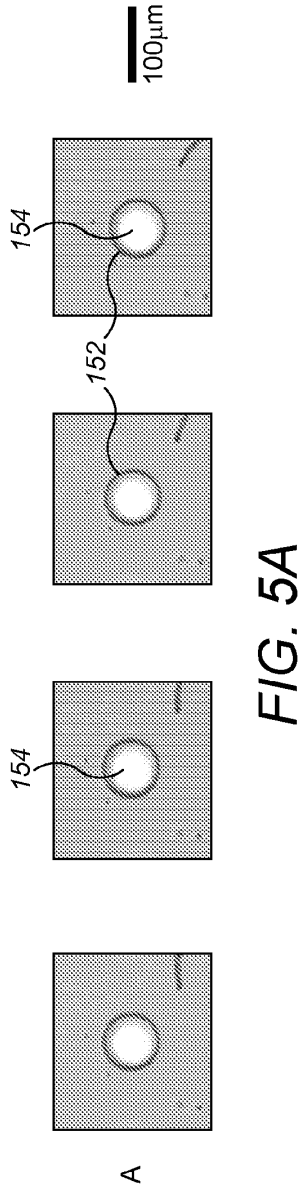


FIG. 5A

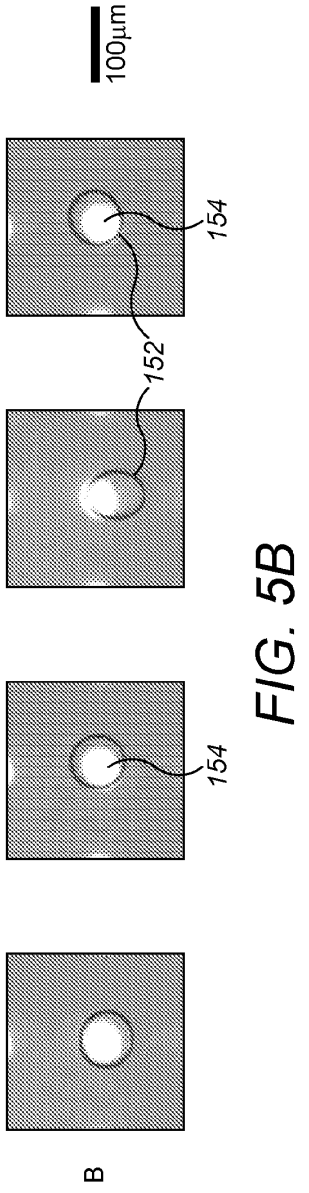


FIG. 5B