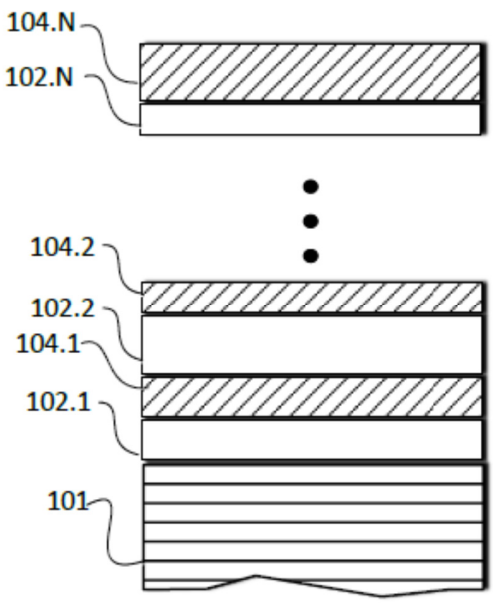


FIG. 1A

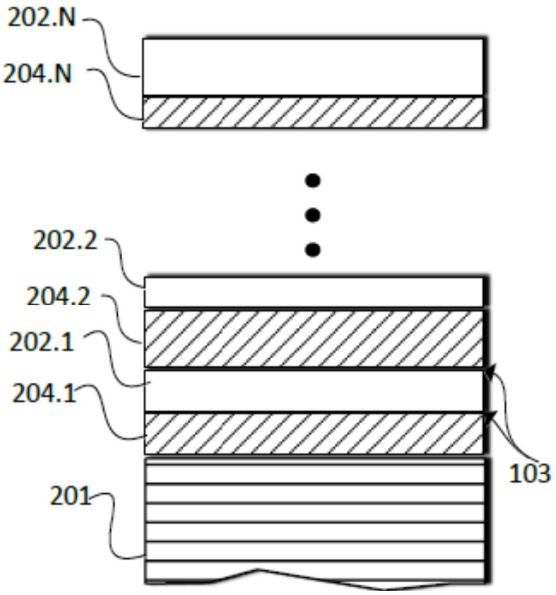


FIG. 1B

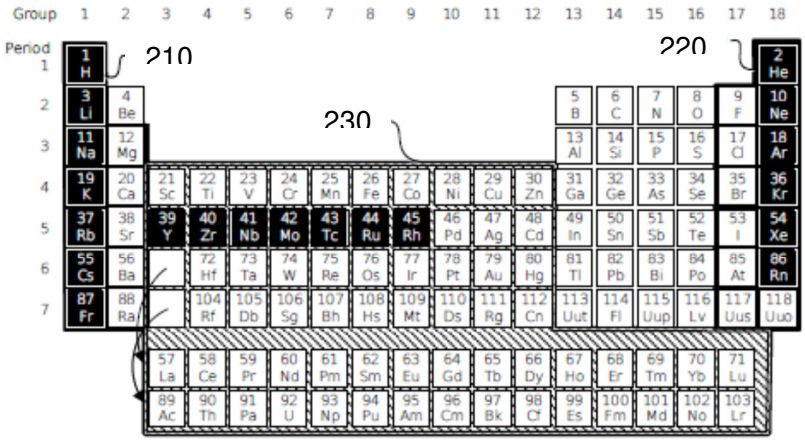


FIG. 2

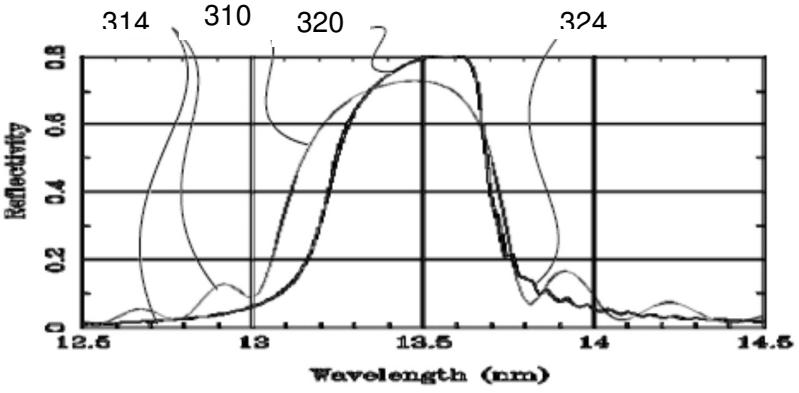


FIG. 3

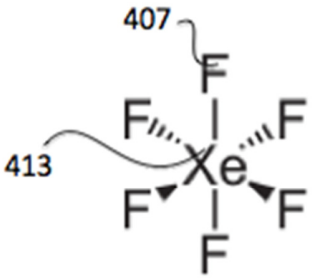


FIG. 4A

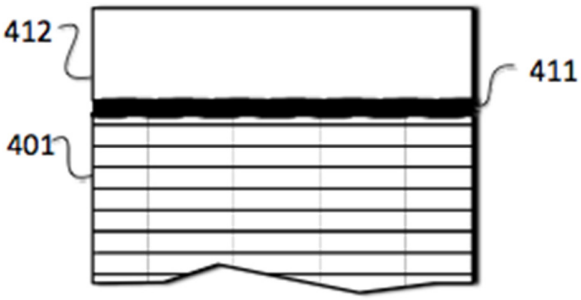


FIG. 4B

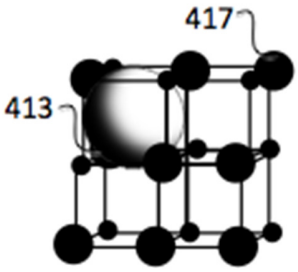


FIG. 4C

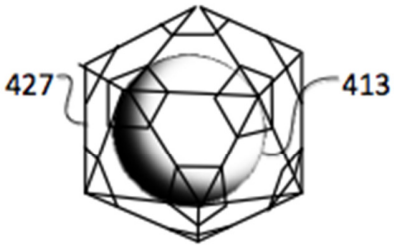


FIG. 4D

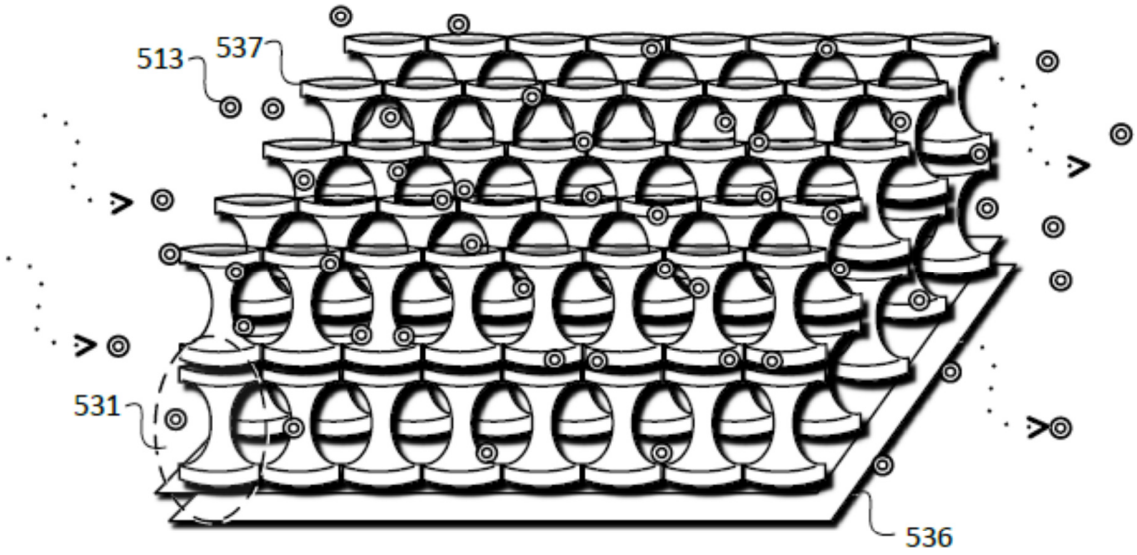


FIG. 5

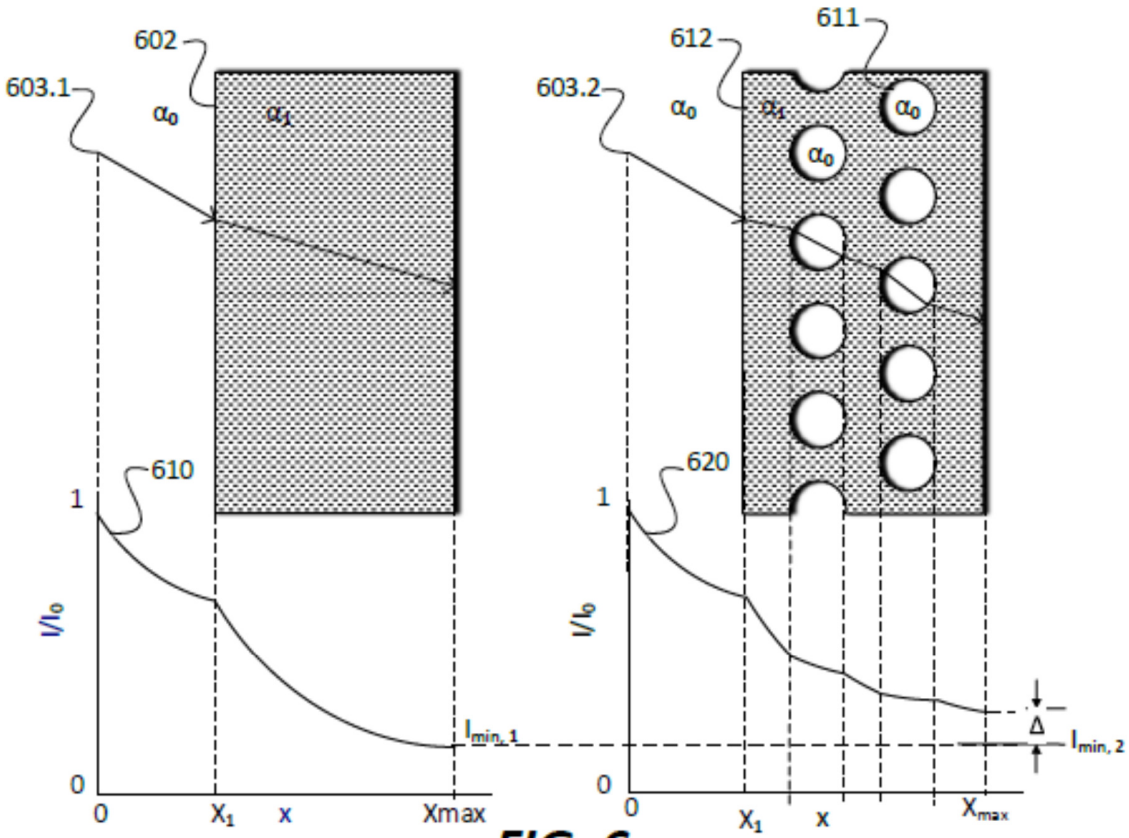


FIG. 6

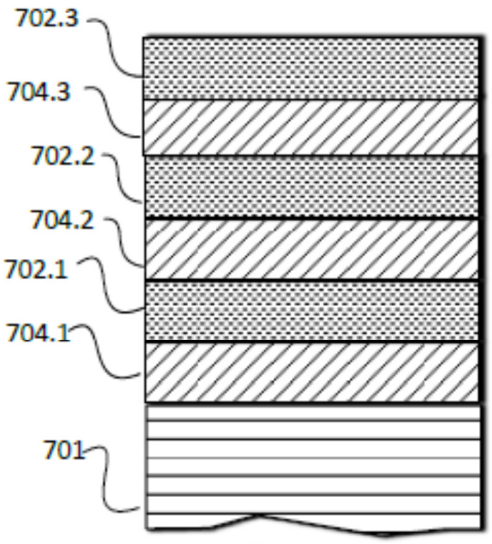


FIG. 7A

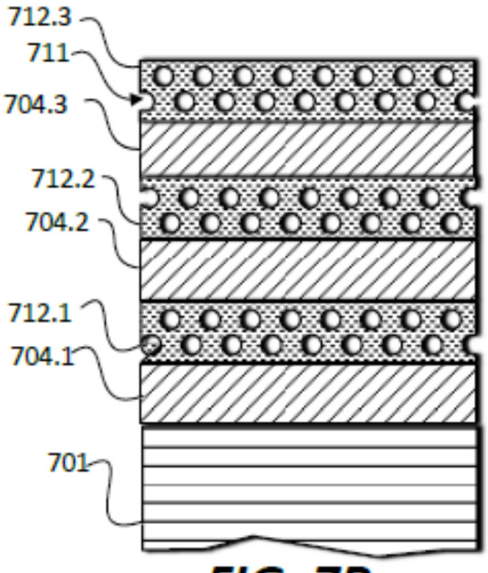


FIG. 7B

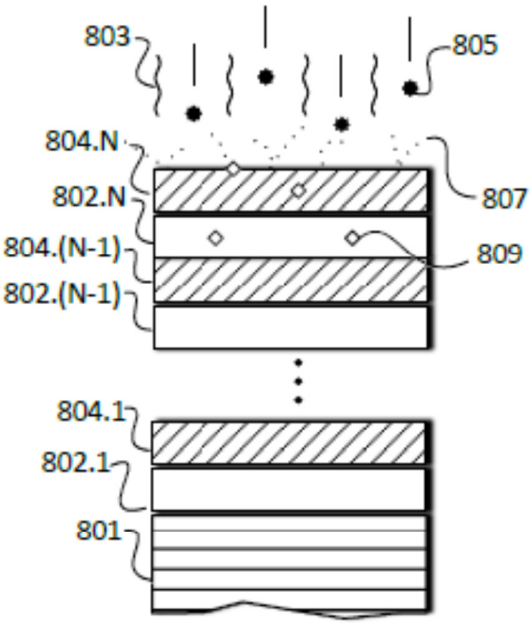


FIG. 8A

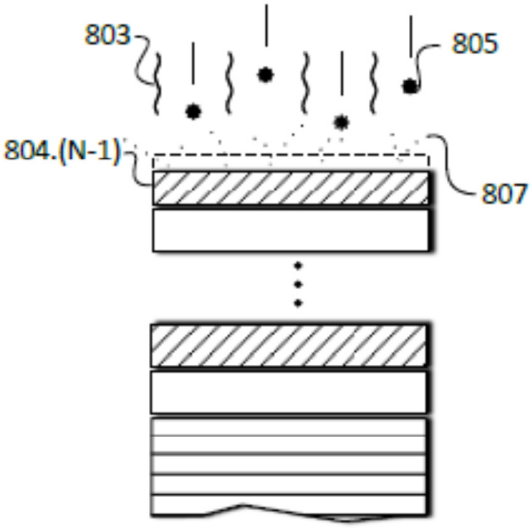


FIG. 8B

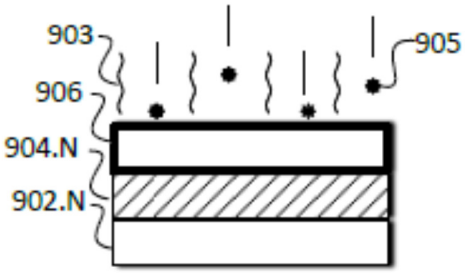


FIG. 9A

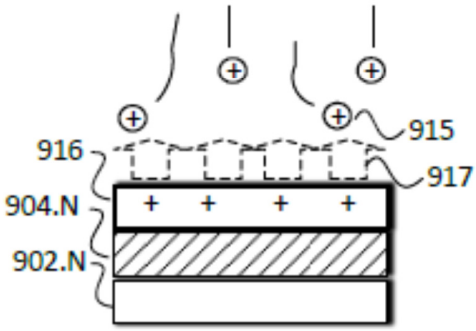


FIG. 9B

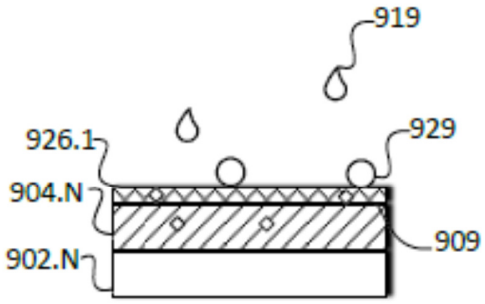


FIG. 9C

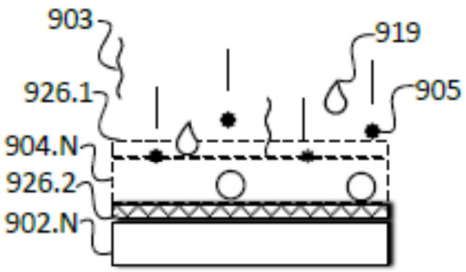


FIG. 9D

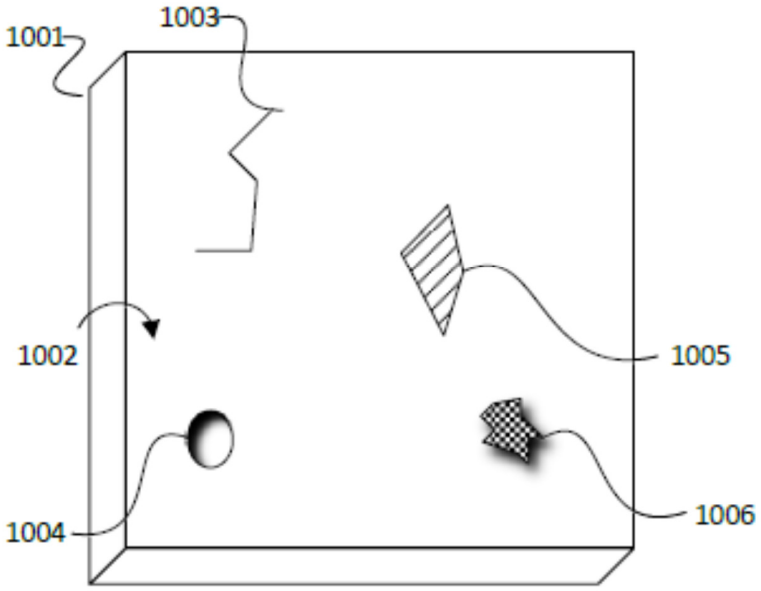


FIG. 10A

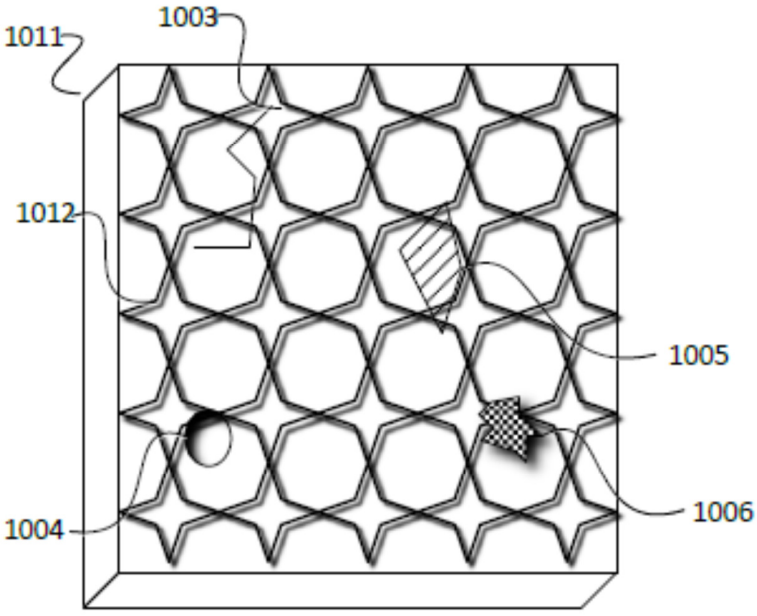


FIG. 10B

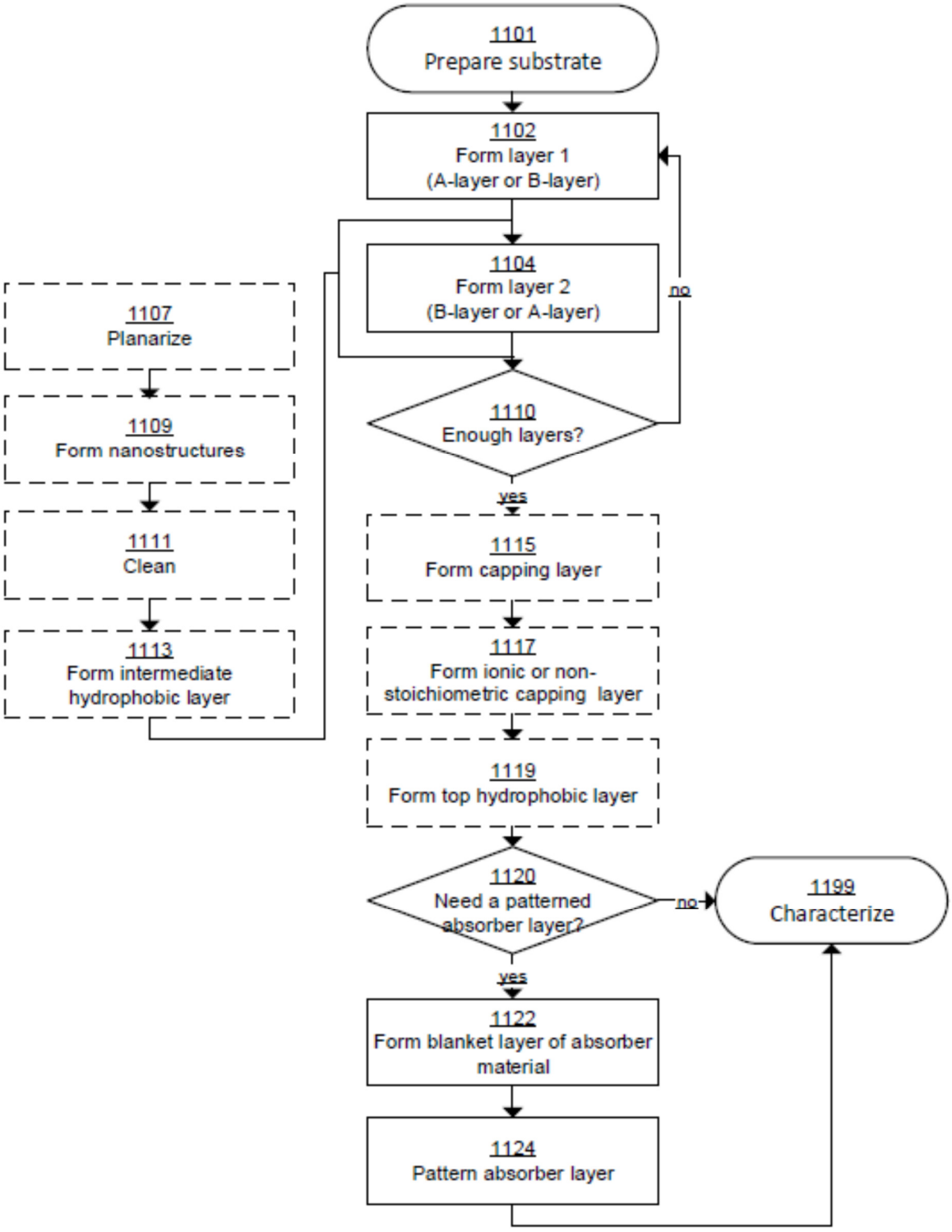

1101
Prepare substrate
1102
Form layer 1
(A-layer or B-layer)
1104
Form layer 2
(B-layer or A-layer)
no
1110
Enough layers?
yes
1107
Planarize
1109
Form nanostructures
1111
Clean
1113
Form intermediate hydrophobic layer
1115
Form capping layer
1117
Form ionic or non-stoichiometric capping layer
1119
Form top hydrophobic layer
1120
Need a patterned absorber layer?
no
1199
Characterize
yes
1122
Form blanket layer of absorber material
1124
Pattern absorber layer

FIG. 11