FIG. 1

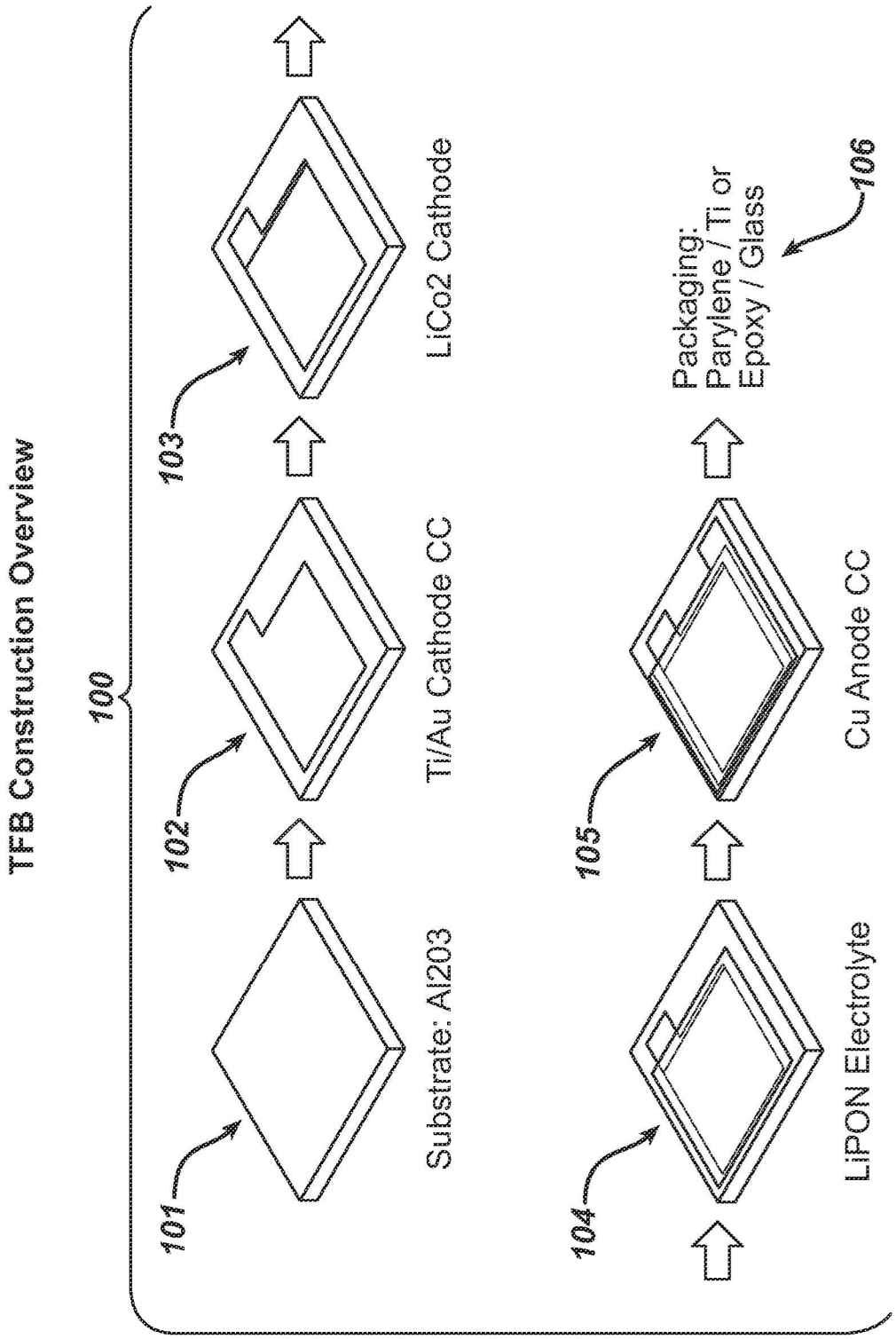

TFB Construction Overview
100
101
Substrate: Al203
102
Ti/Au Cathode CC
103
LiCo2 Cathode
104
LiPON Electrolyte
105
Cu Anode CC
106
Packaging:
Parylene / Ti or
Epoxy / Glass

FIG. 2A

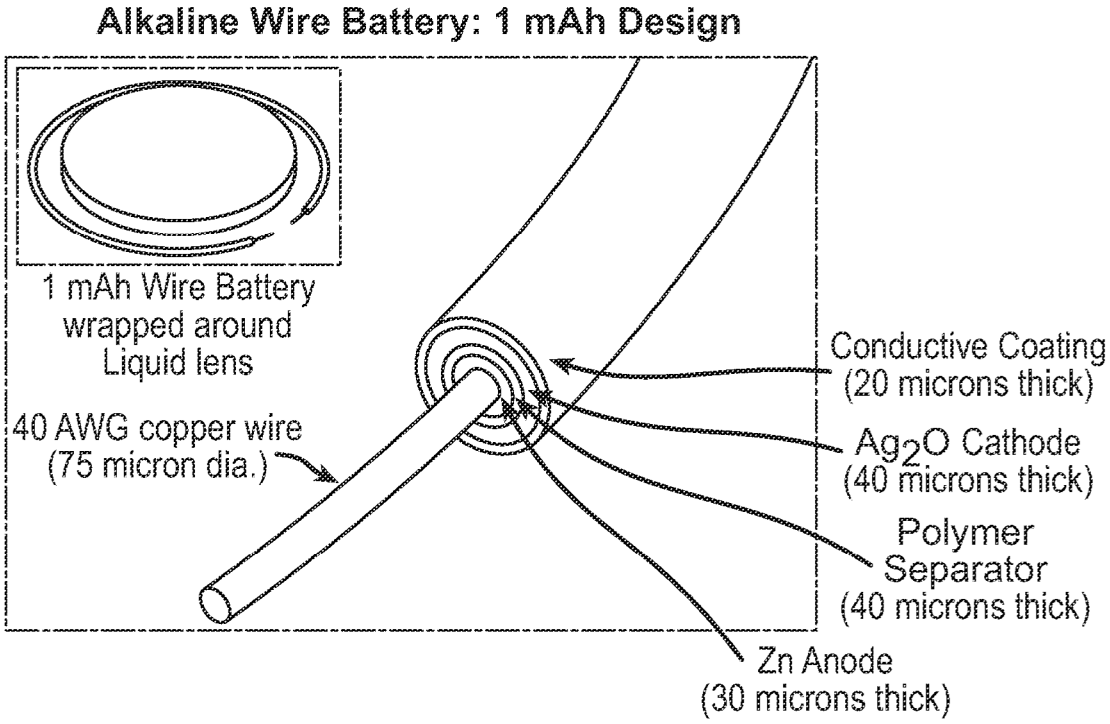

Alkaline Wire Battery: 1 mAh Design
1 mAh Wire Battery wrapped around Liquid lens
40 AWG copper wire (75 micron dia.)
Conductive Coating (20 microns thick)
Ag_2O Cathode (40 microns thick)
Polymer Separator (40 microns thick)
Zn Anode (30 microns thick)

FIG. 2B

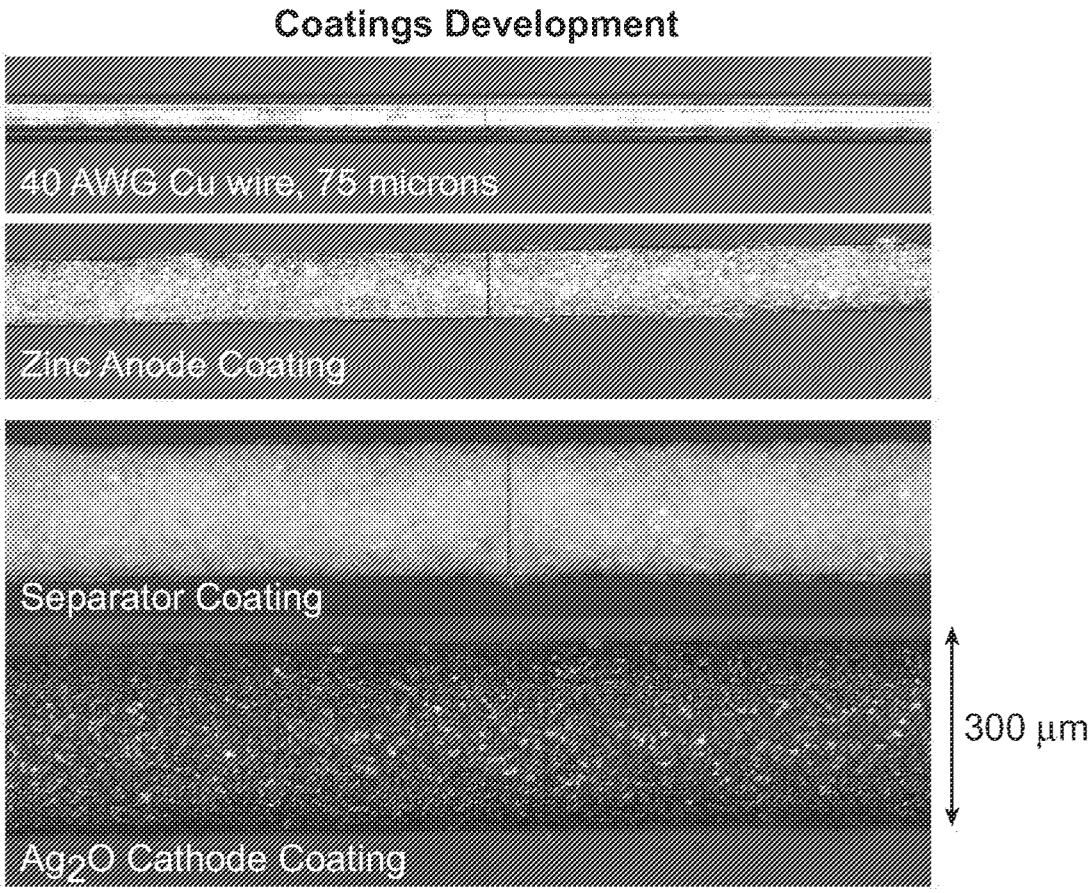

Coatings Development
40 AWG Cu wire, 75 microns
Zinc Anode Coating
Separator Coating
Ag_2O Cathode Coating
300 µm

FIG. 3

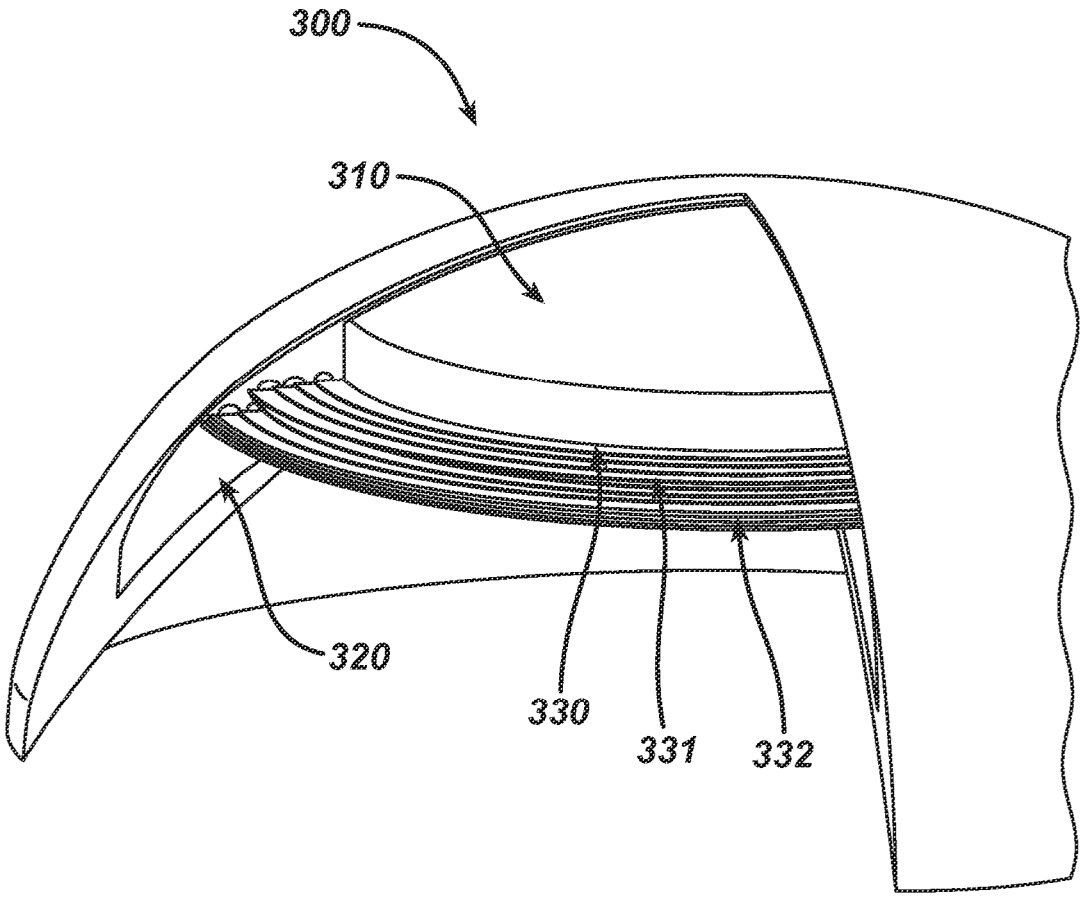


FIG. 4

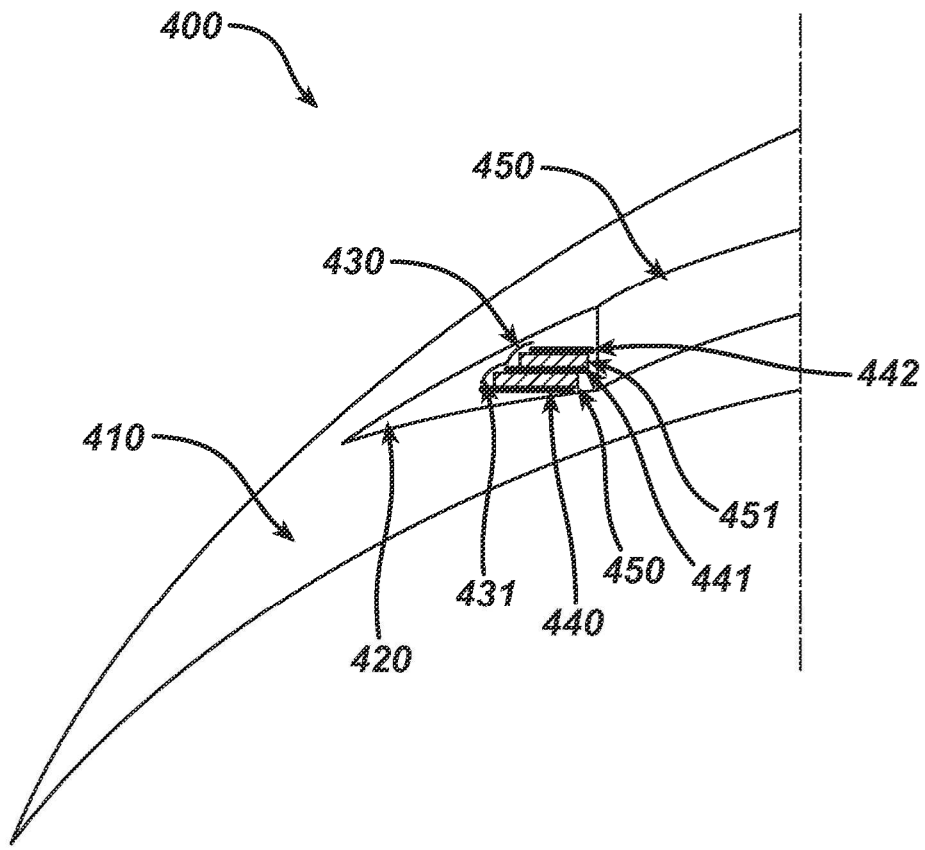


FIG. 5

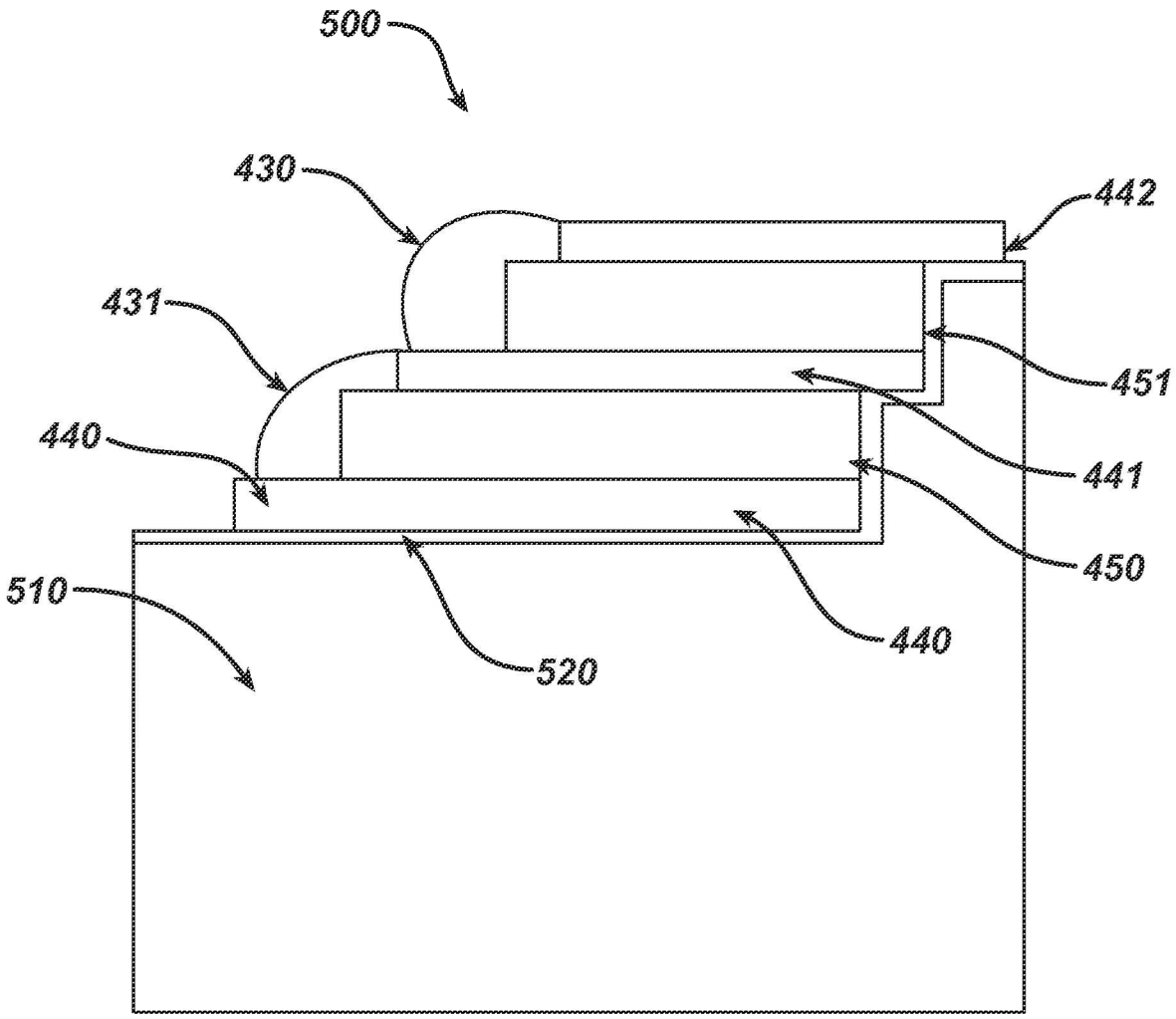


FIG. 6

