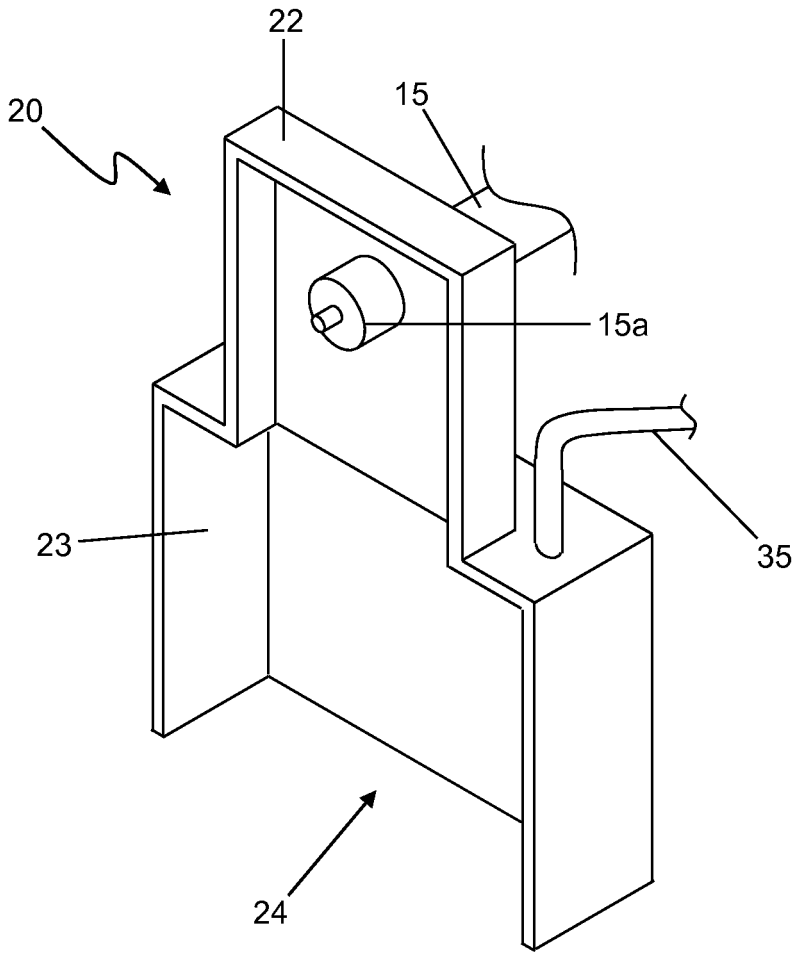


FIG. 1

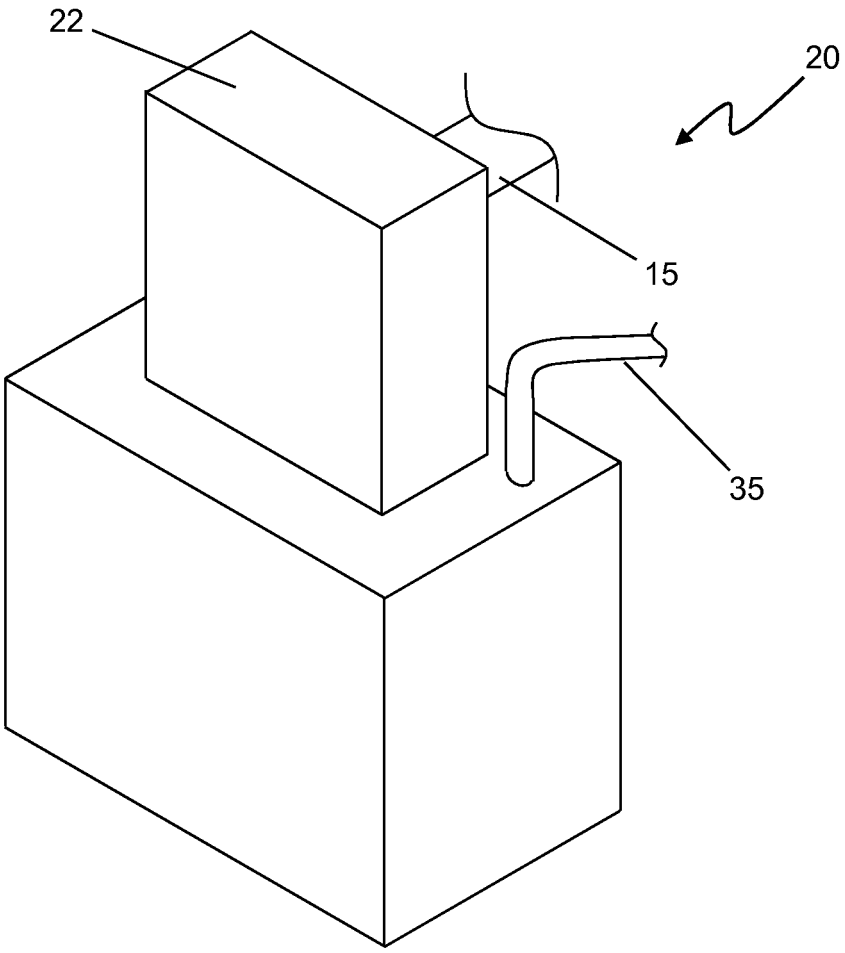


FIG. 2

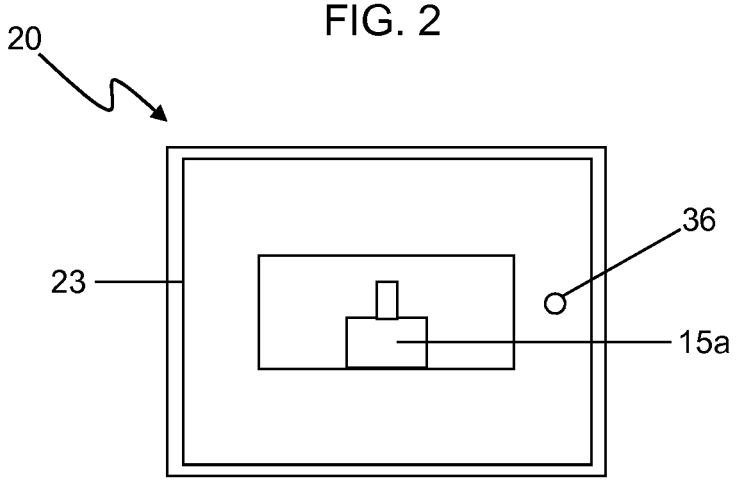


FIG. 3

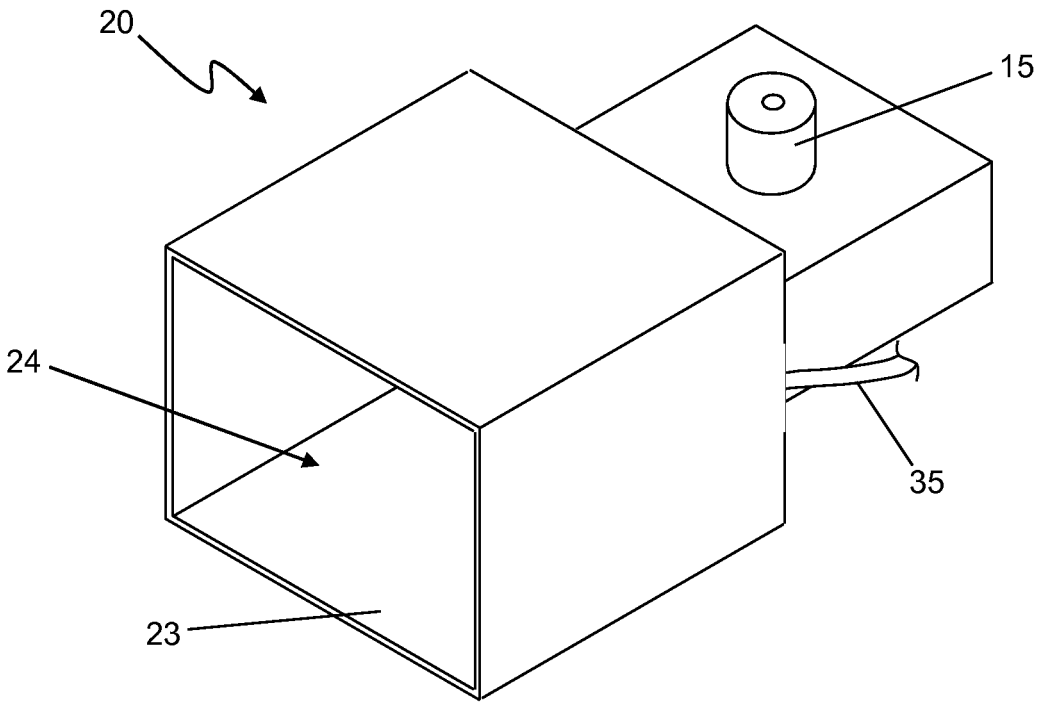


FIG. 4

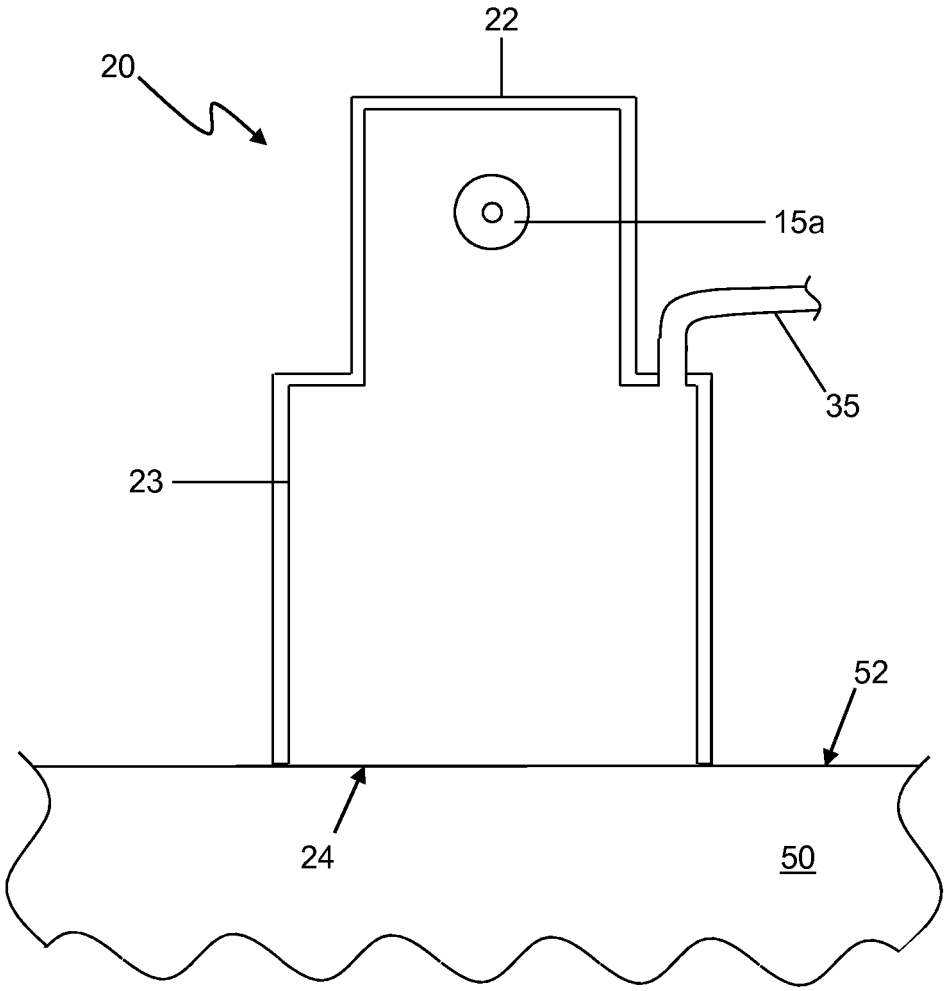


FIG. 5

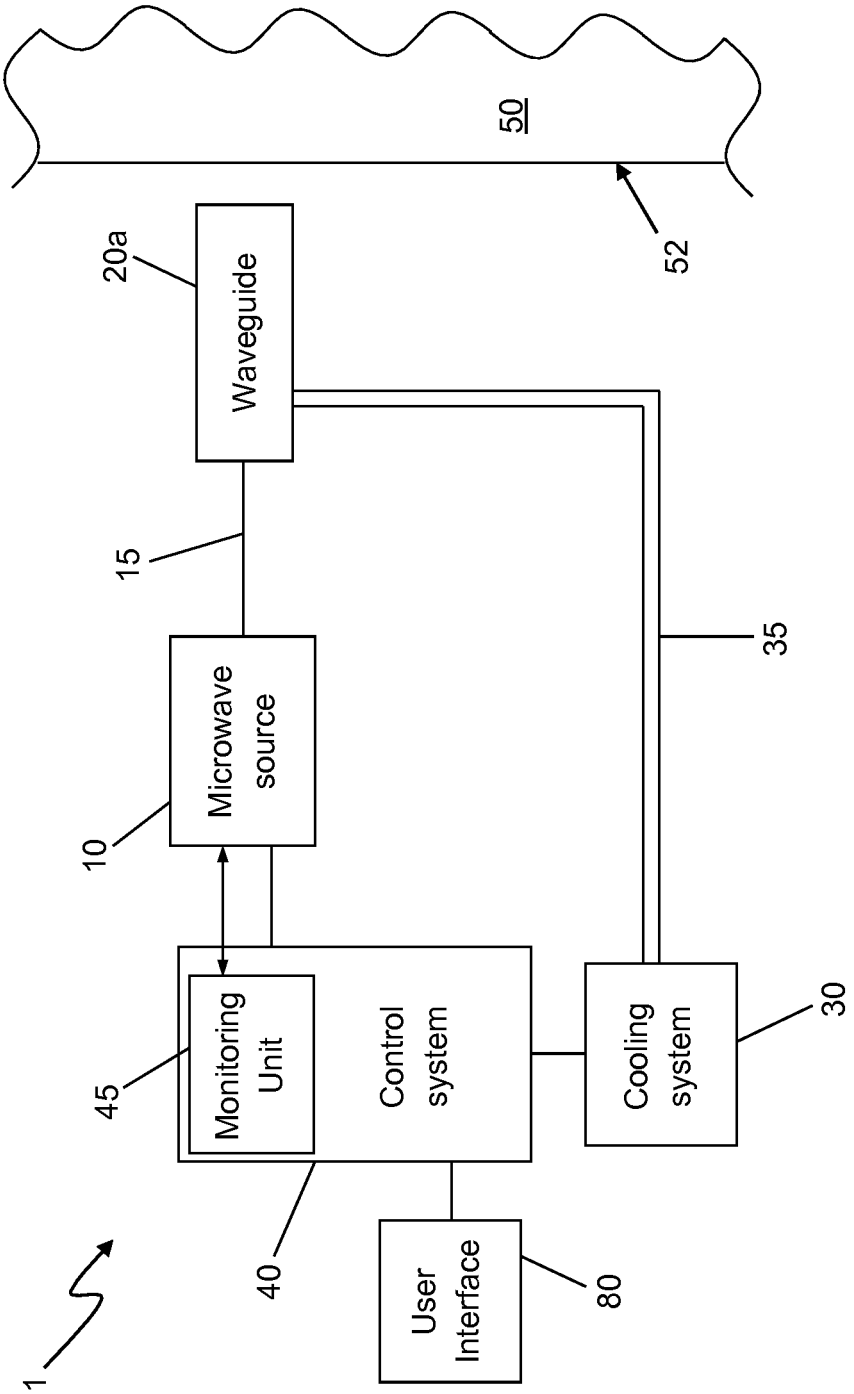

50
52
20a
Waveguide
15
35
Microwave source
10
Monitoring Unit
45
Control system
Cooling system
30
40
User Interface
80
1

FIG. 6

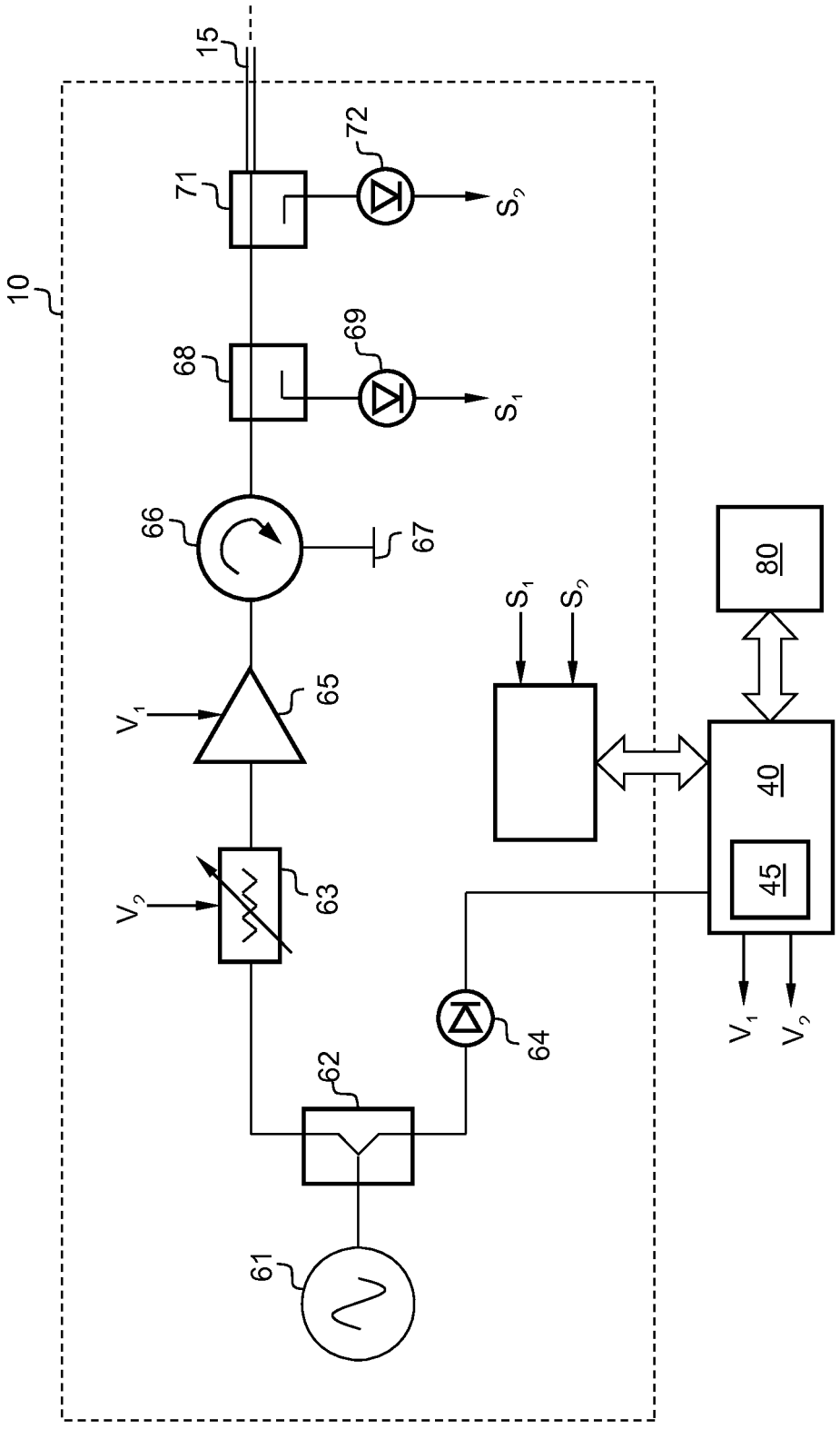


FIG. 7

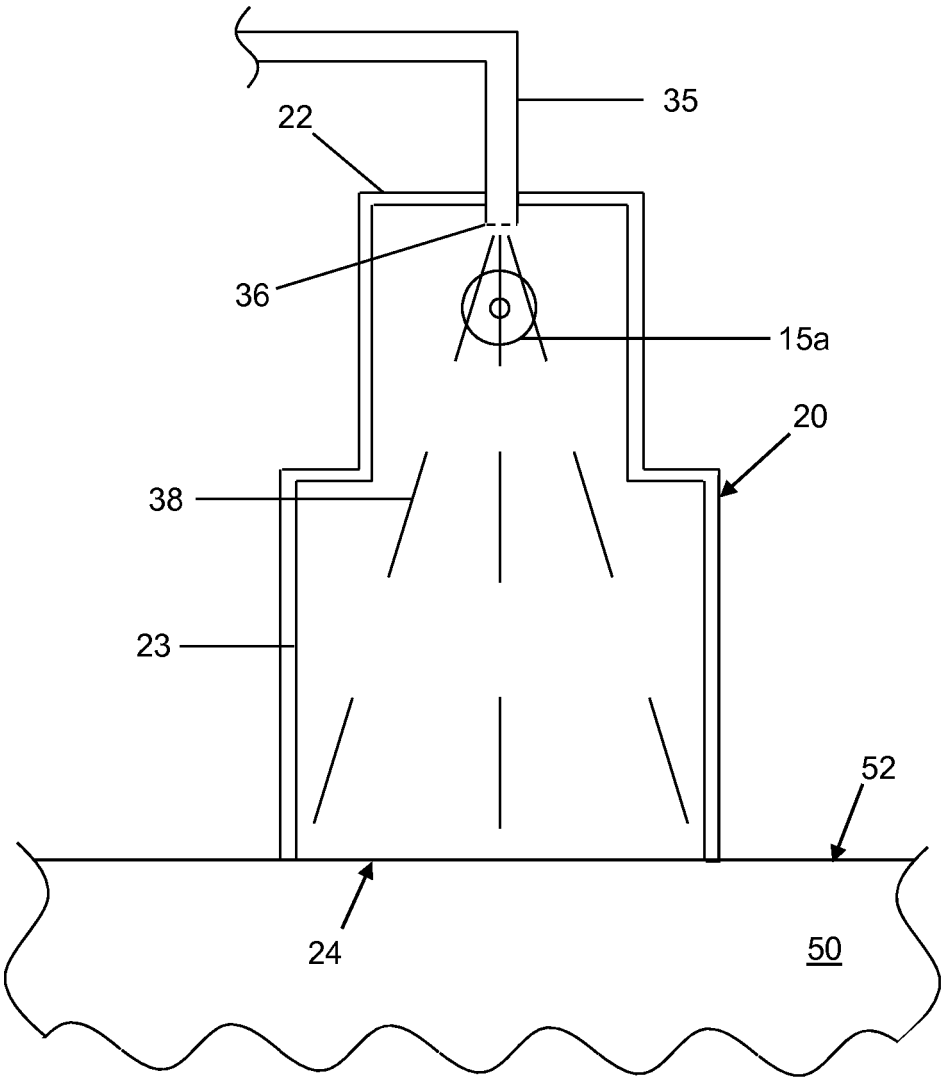


FIG. 8

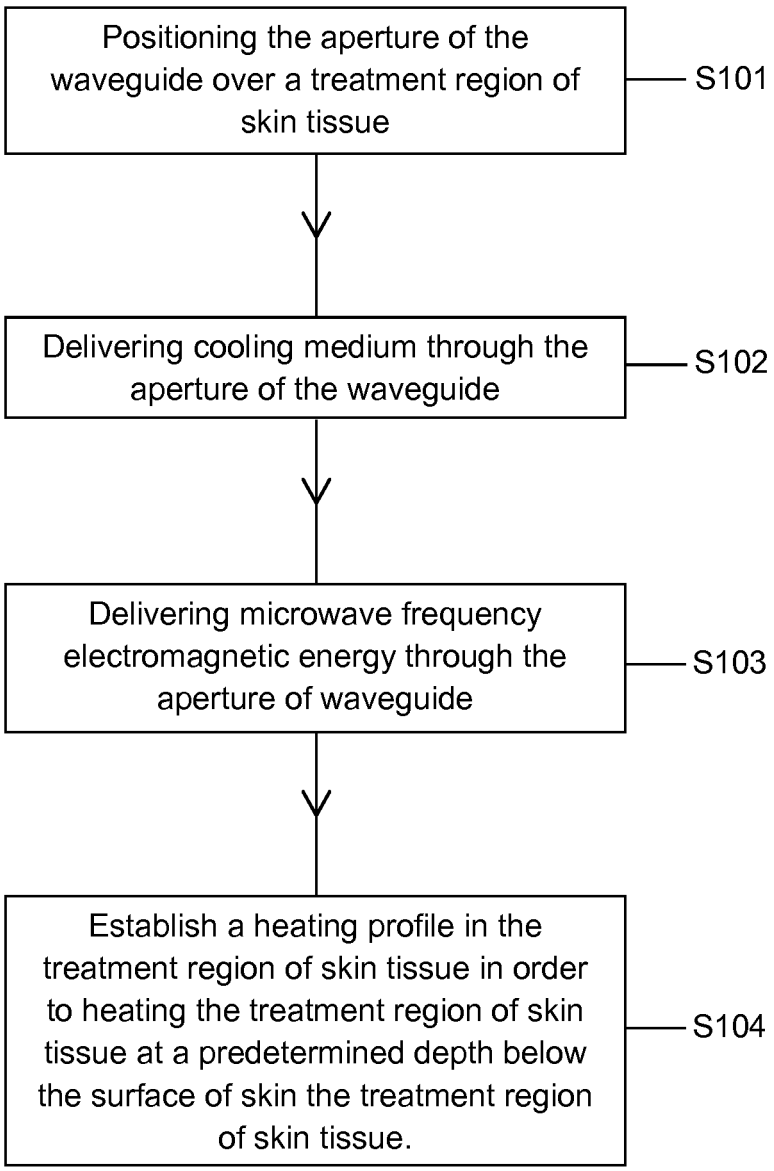

Positioning the aperture of the waveguide over a treatment region of skin tissue
S101
Delivering cooling medium through the aperture of the waveguide
S102
Delivering microwave frequency electromagnetic energy through the aperture of waveguide
S103
Establish a heating profile in the treatment region of skin tissue in order to heating the treatment region of skin tissue at a predetermined depth below the surface of skin the treatment region of skin tissue.
S104

FIG. 9

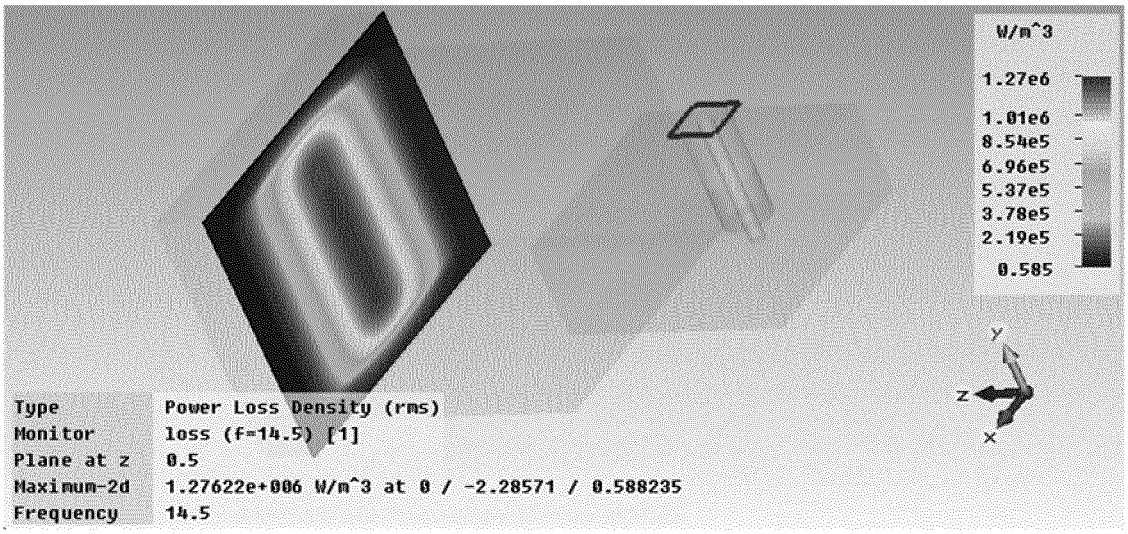


FIG. 10A

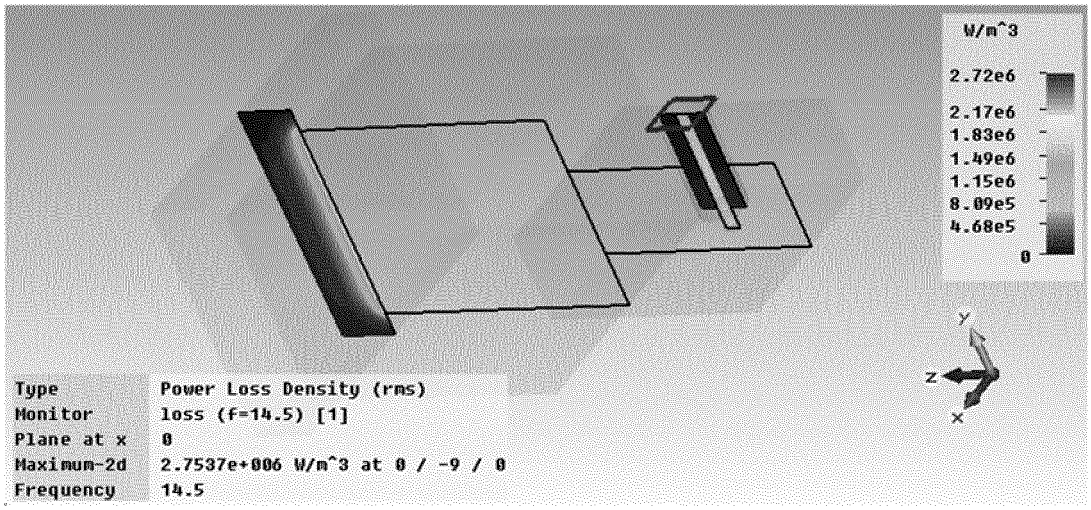


FIG. 10B

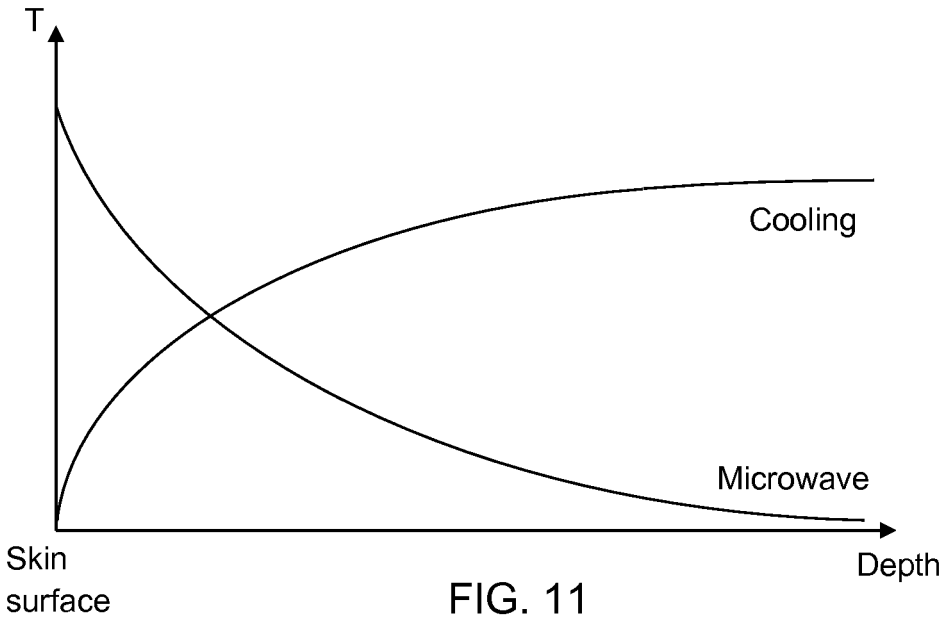


FIG. 11

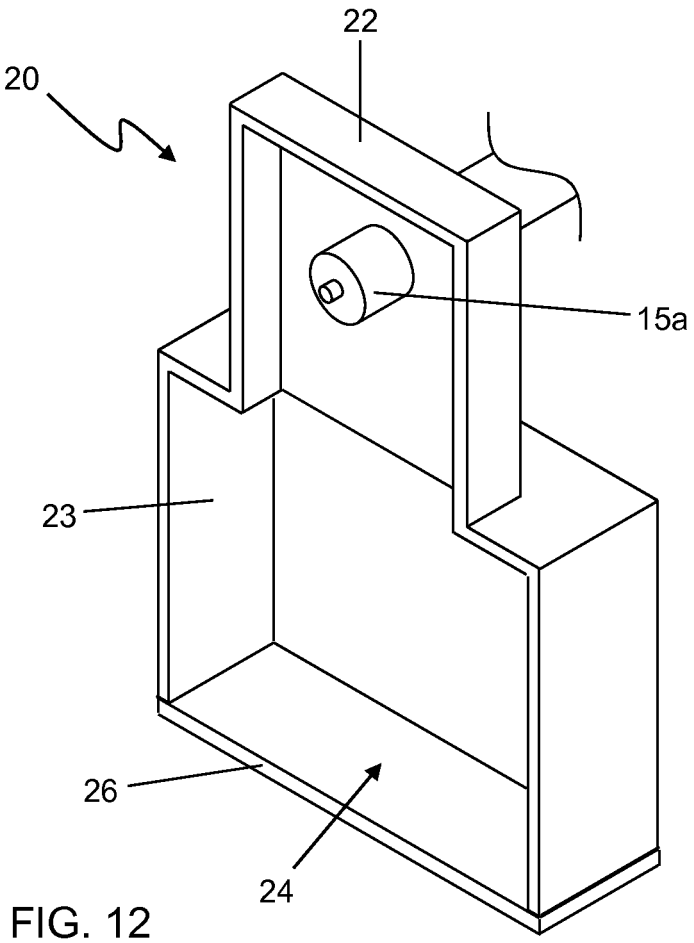


FIG. 12

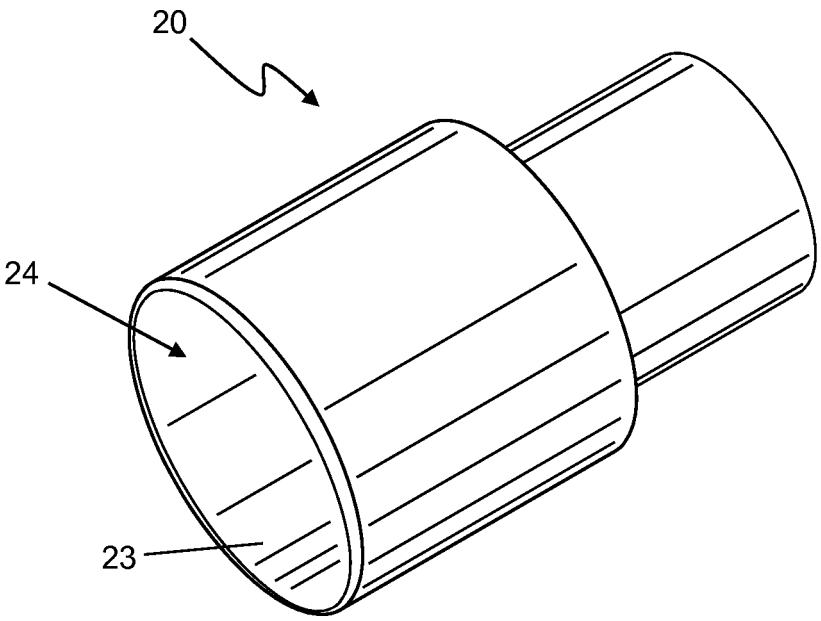


FIG. 13

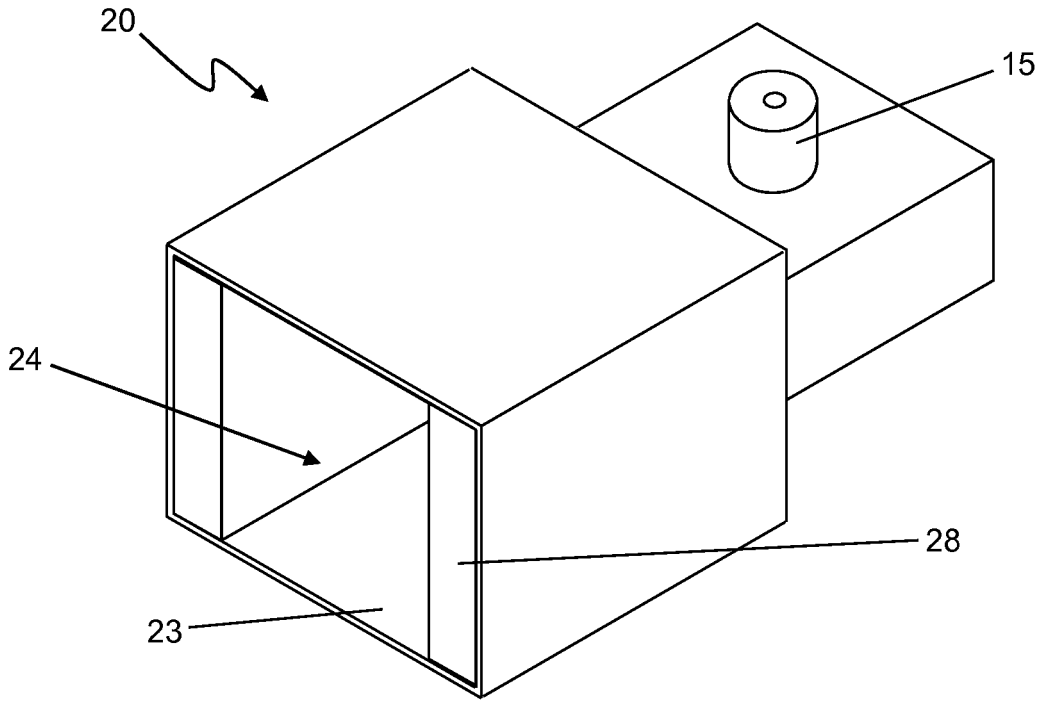


FIG. 14

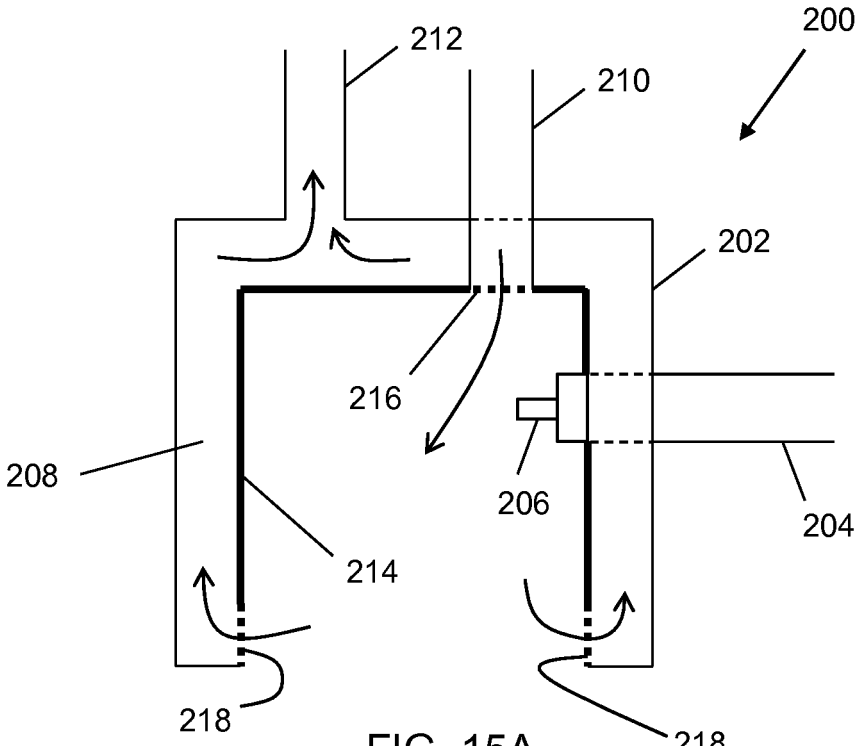


FIG. 15A

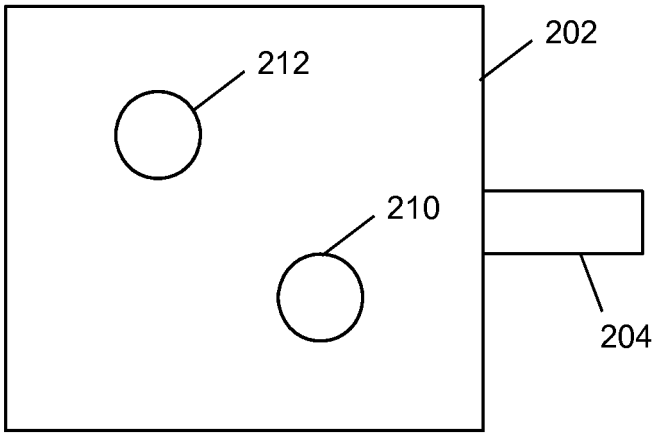


FIG. 15B

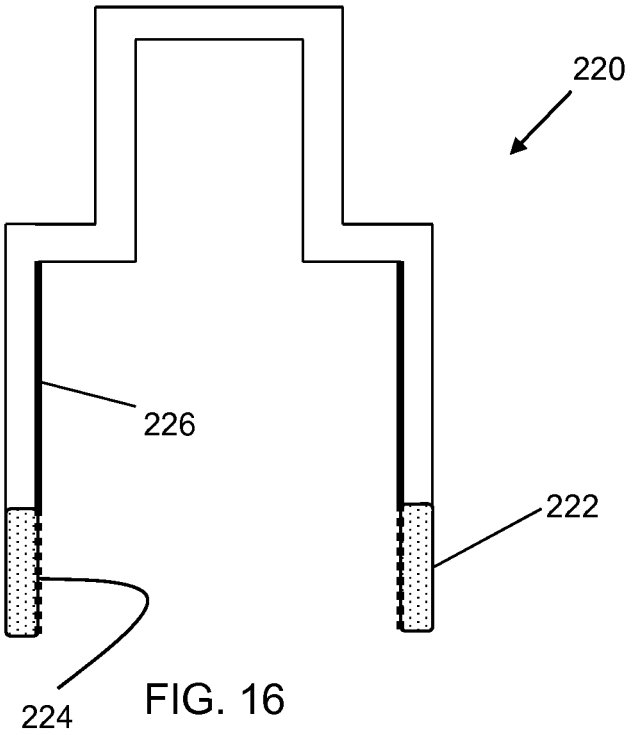


FIG. 16

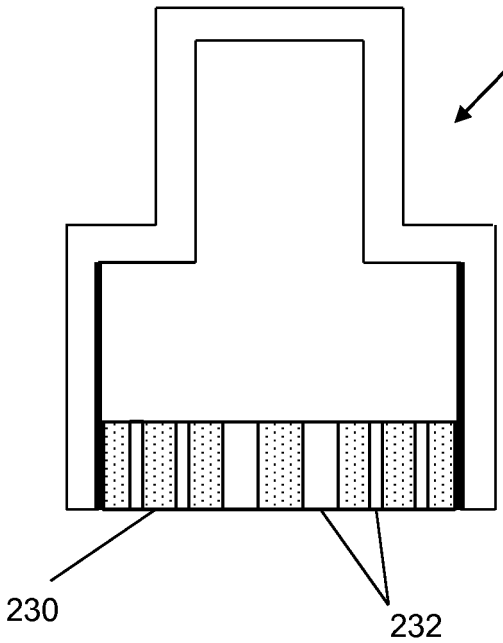


FIG. 17A

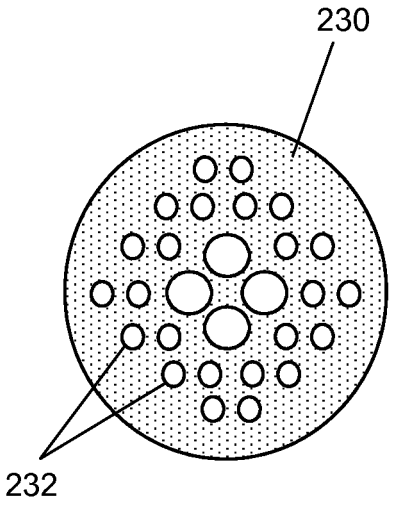


FIG. 17B

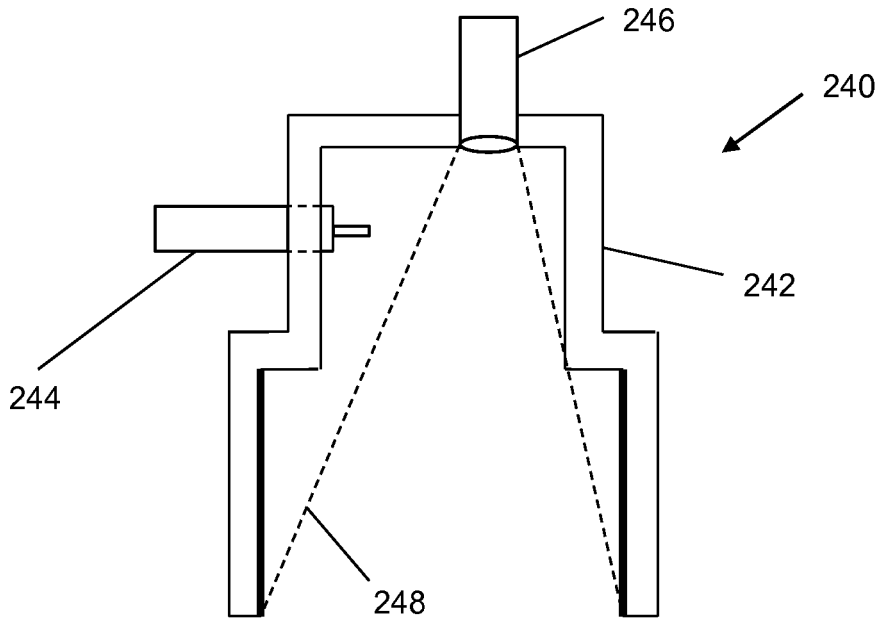


FIG. 18

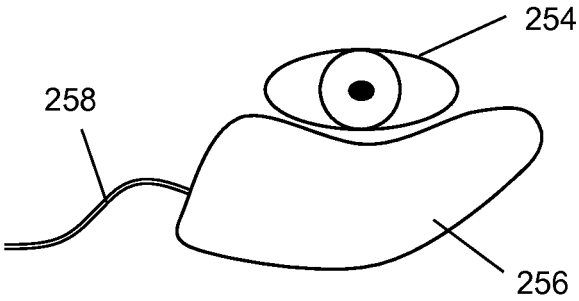


FIG. 19A

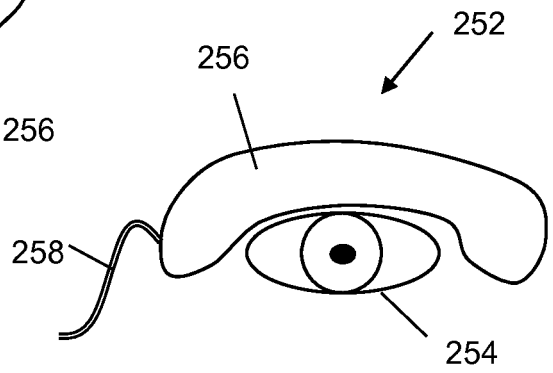


FIG. 19B

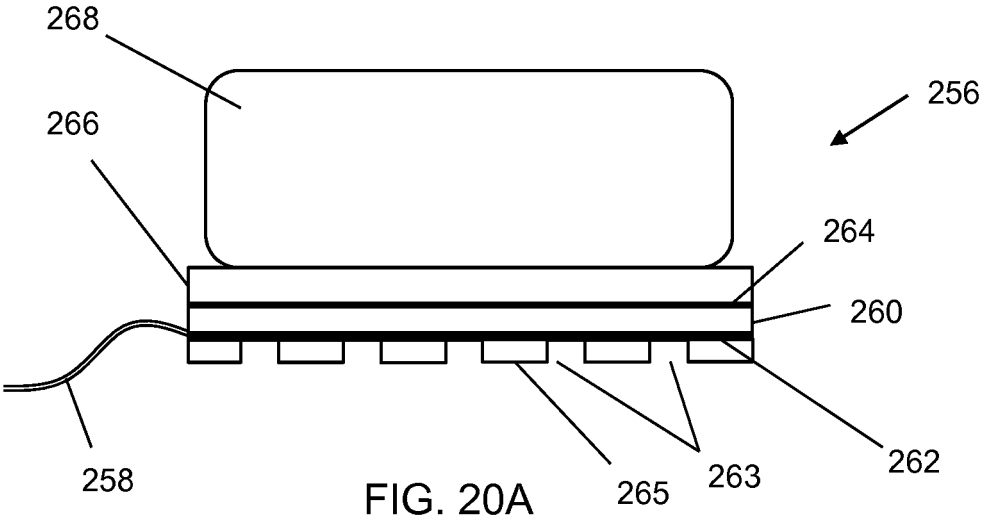


FIG. 20A

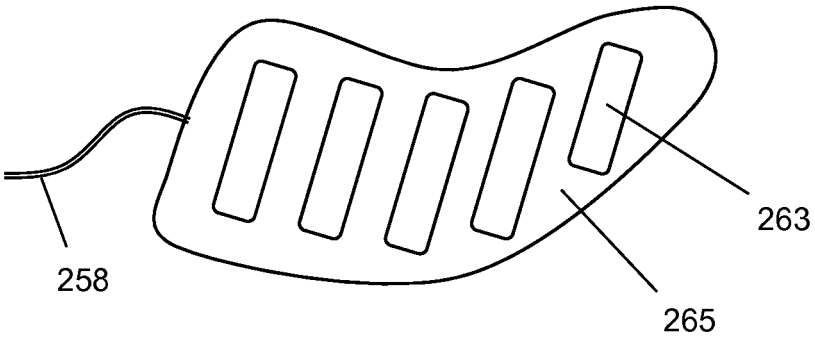


FIG. 20B

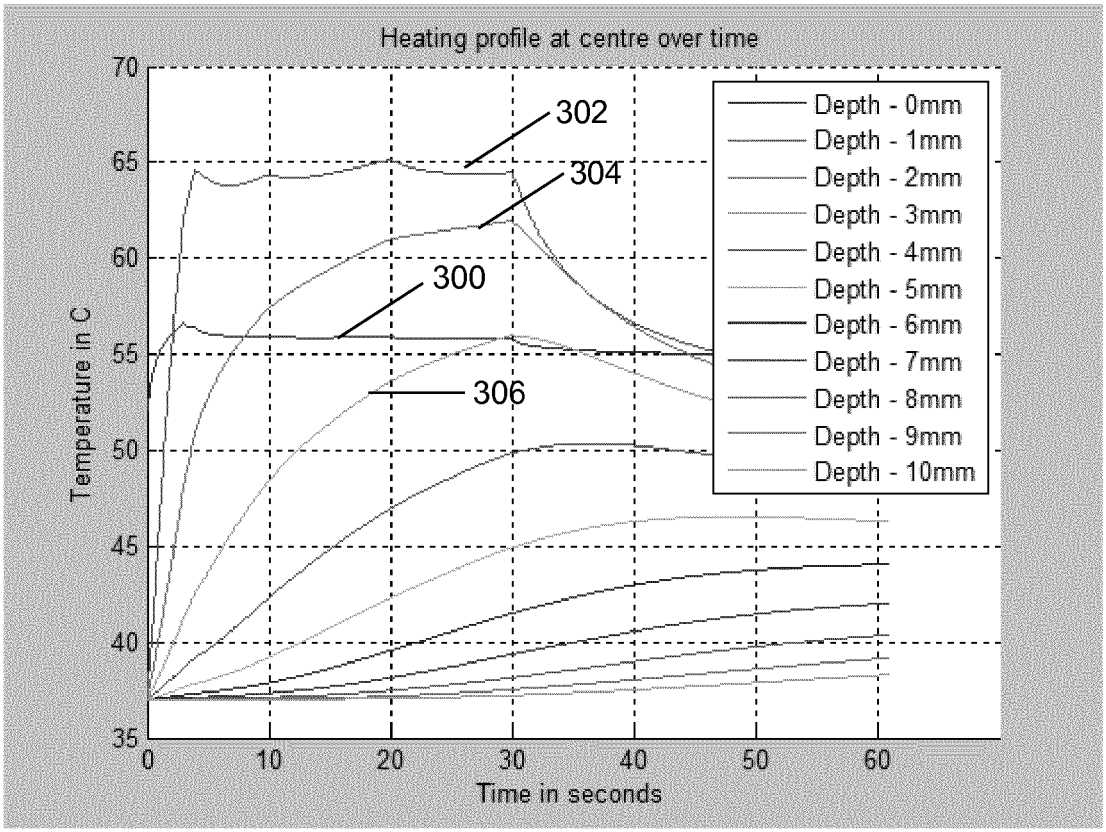


FIG. 21A

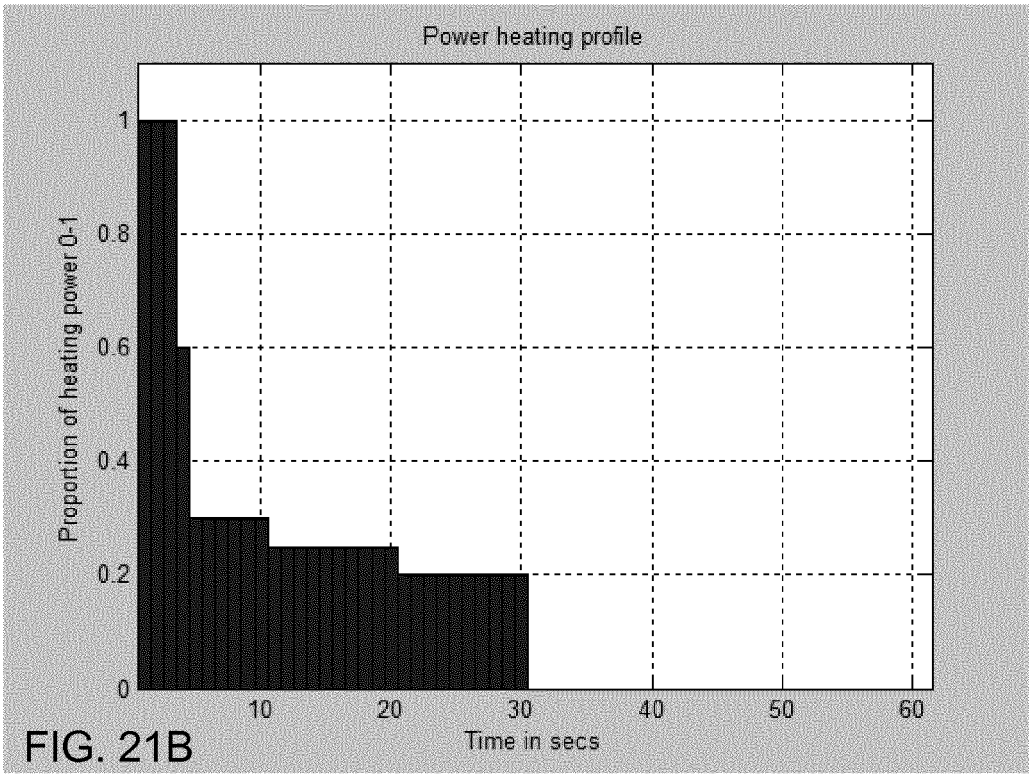


FIG. 21B

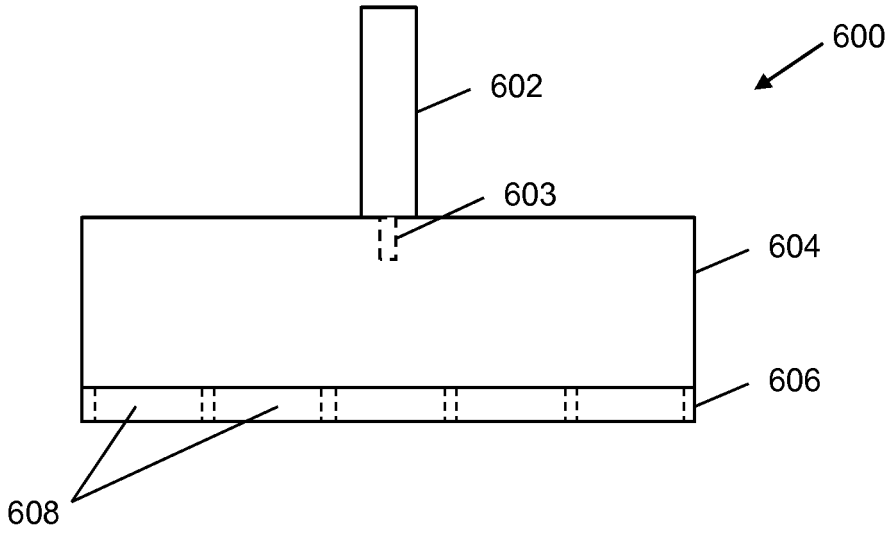


FIG. 22A

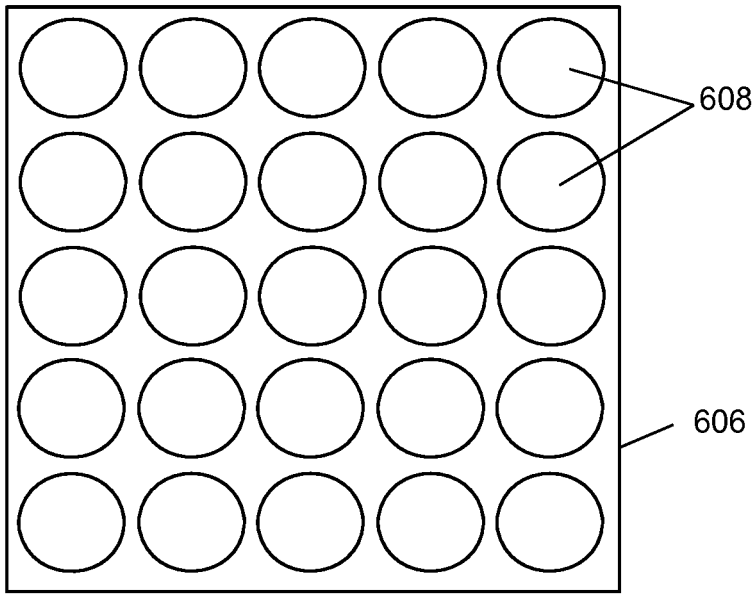


FIG. 22B