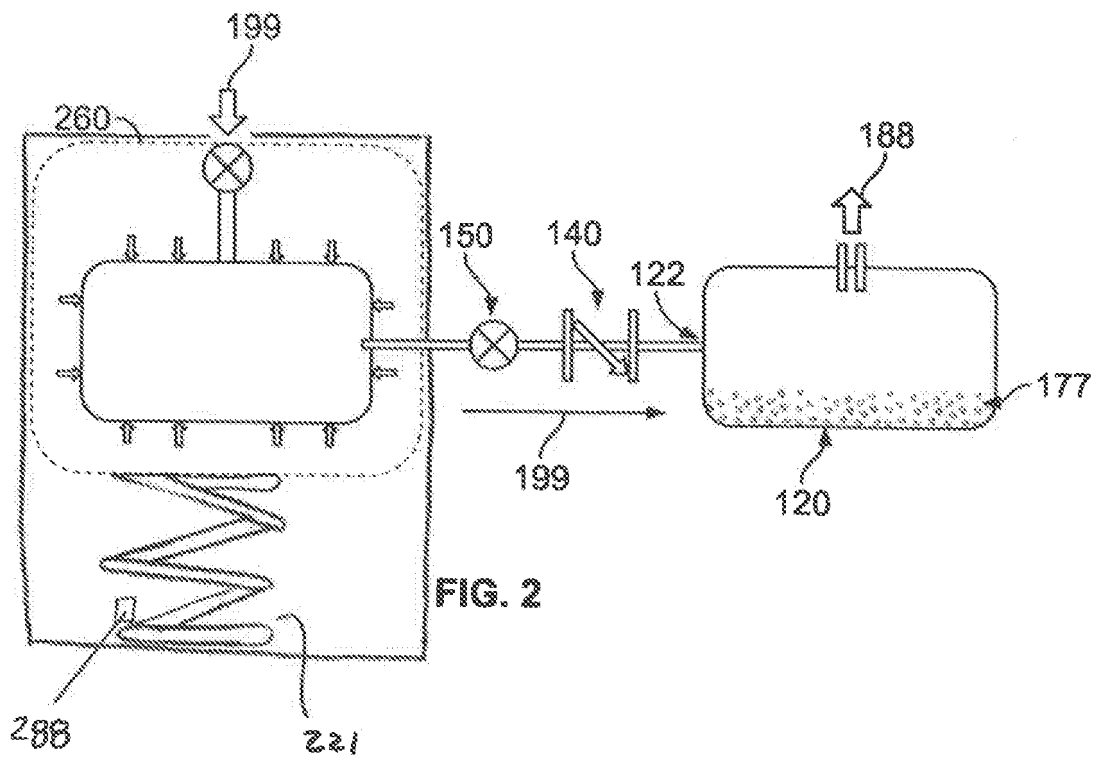
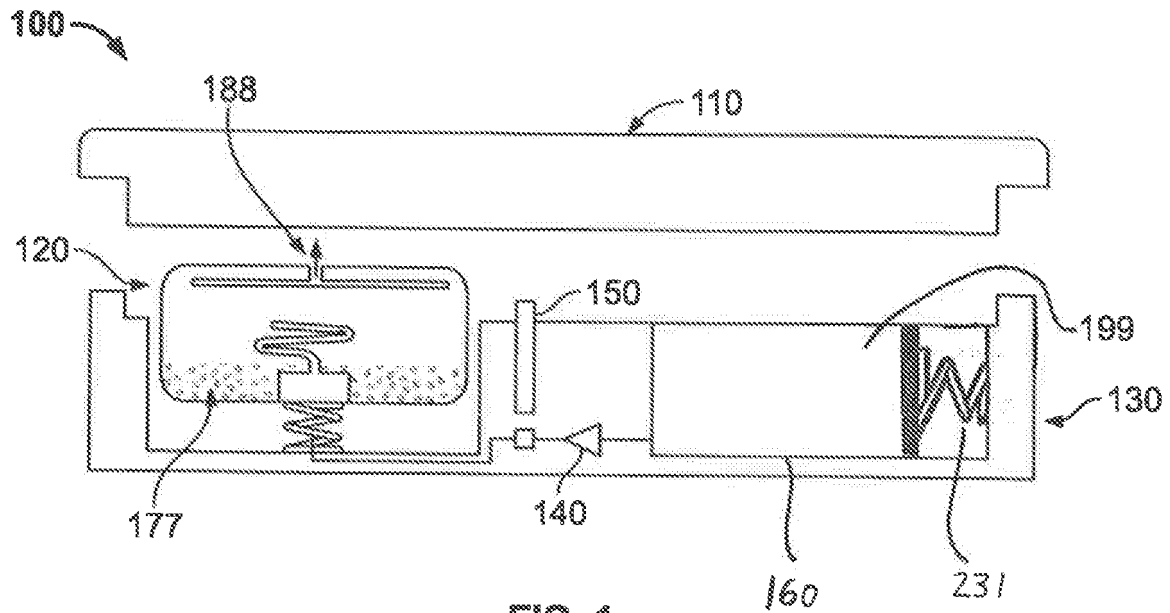




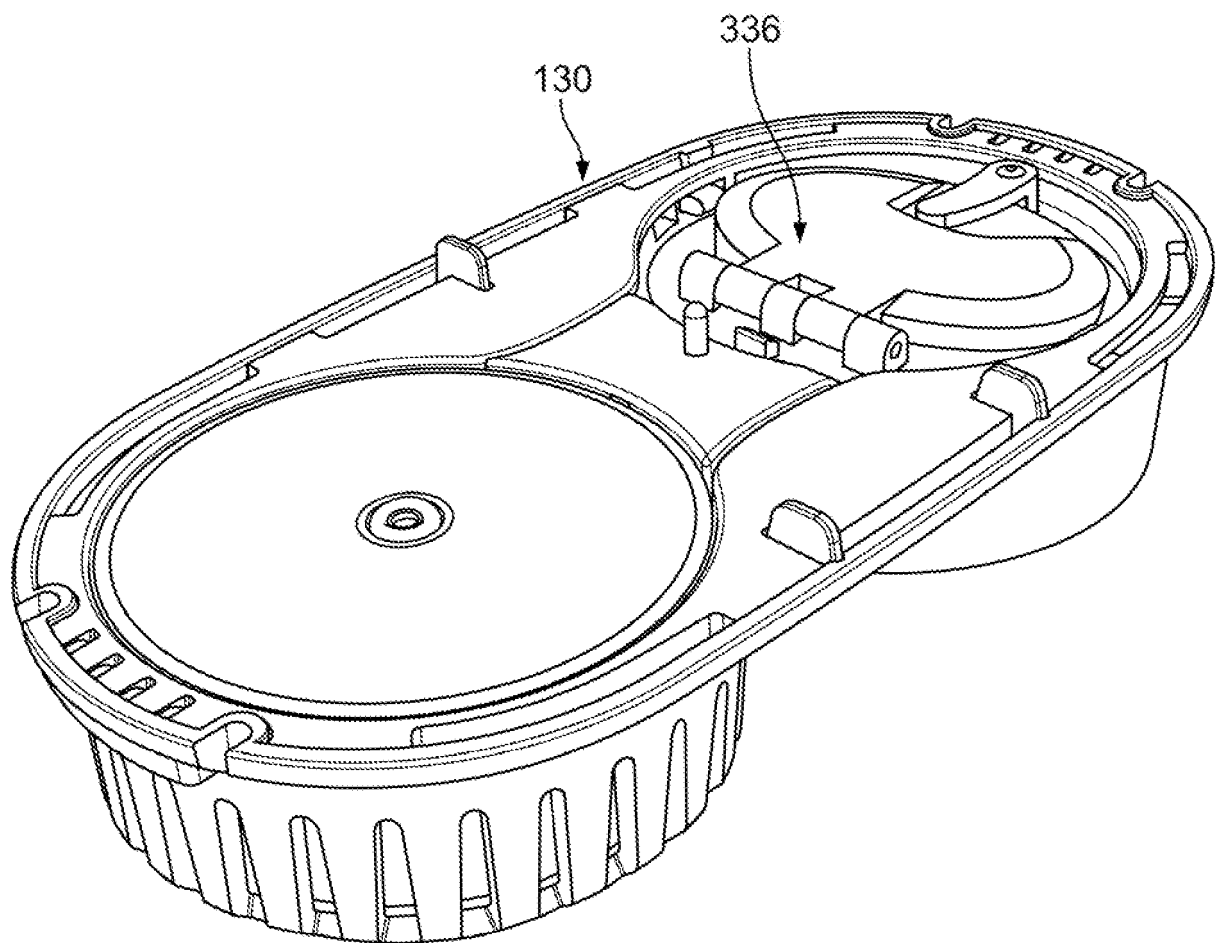


FIG. 3

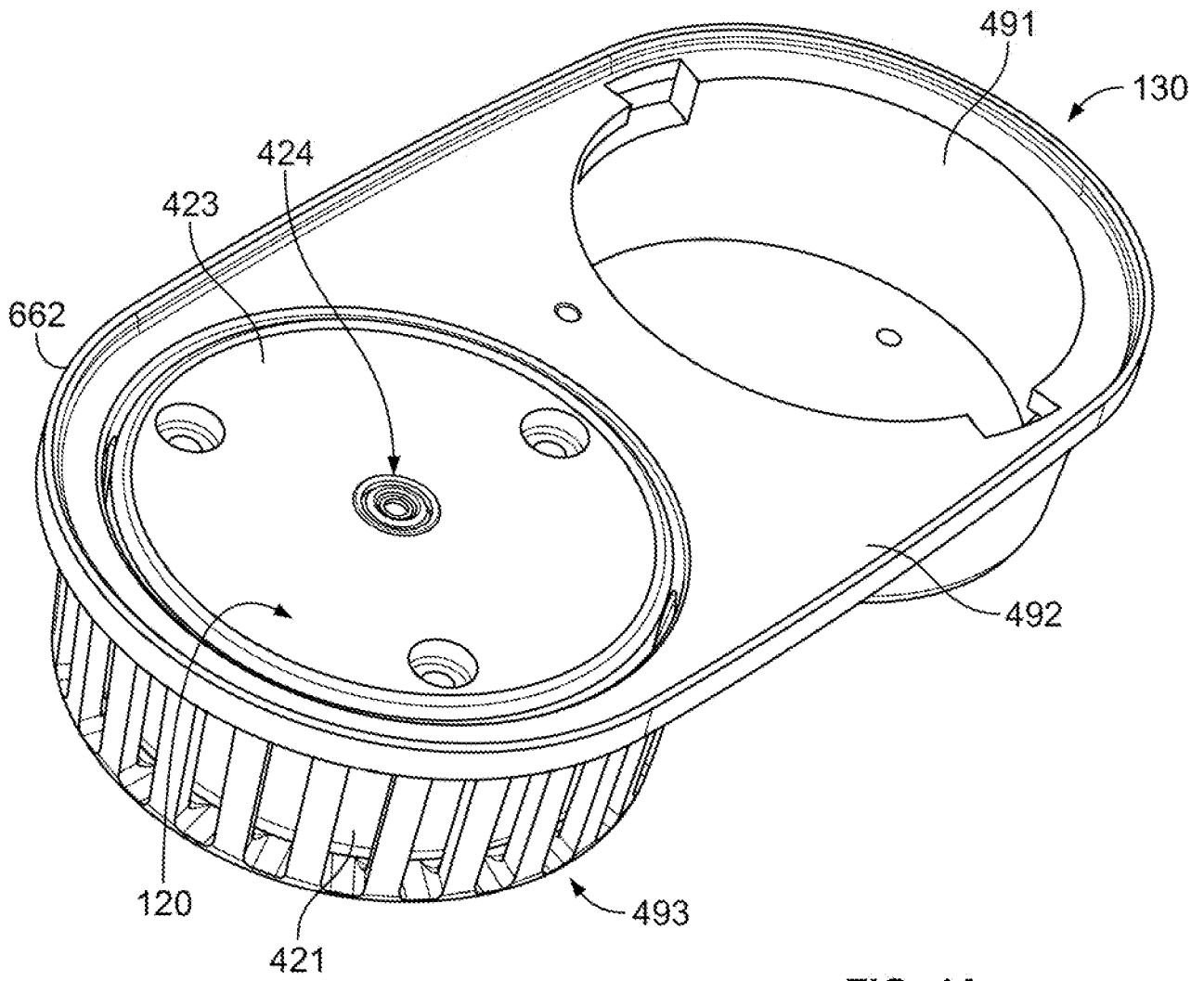


FIG. 4A

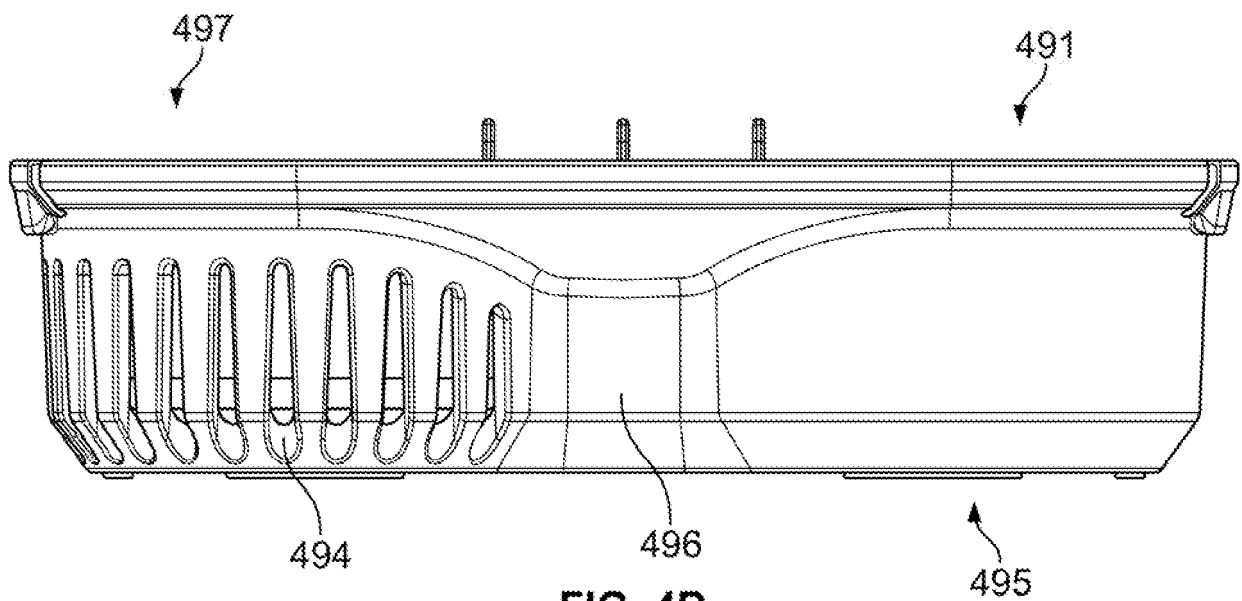


FIG. 4B

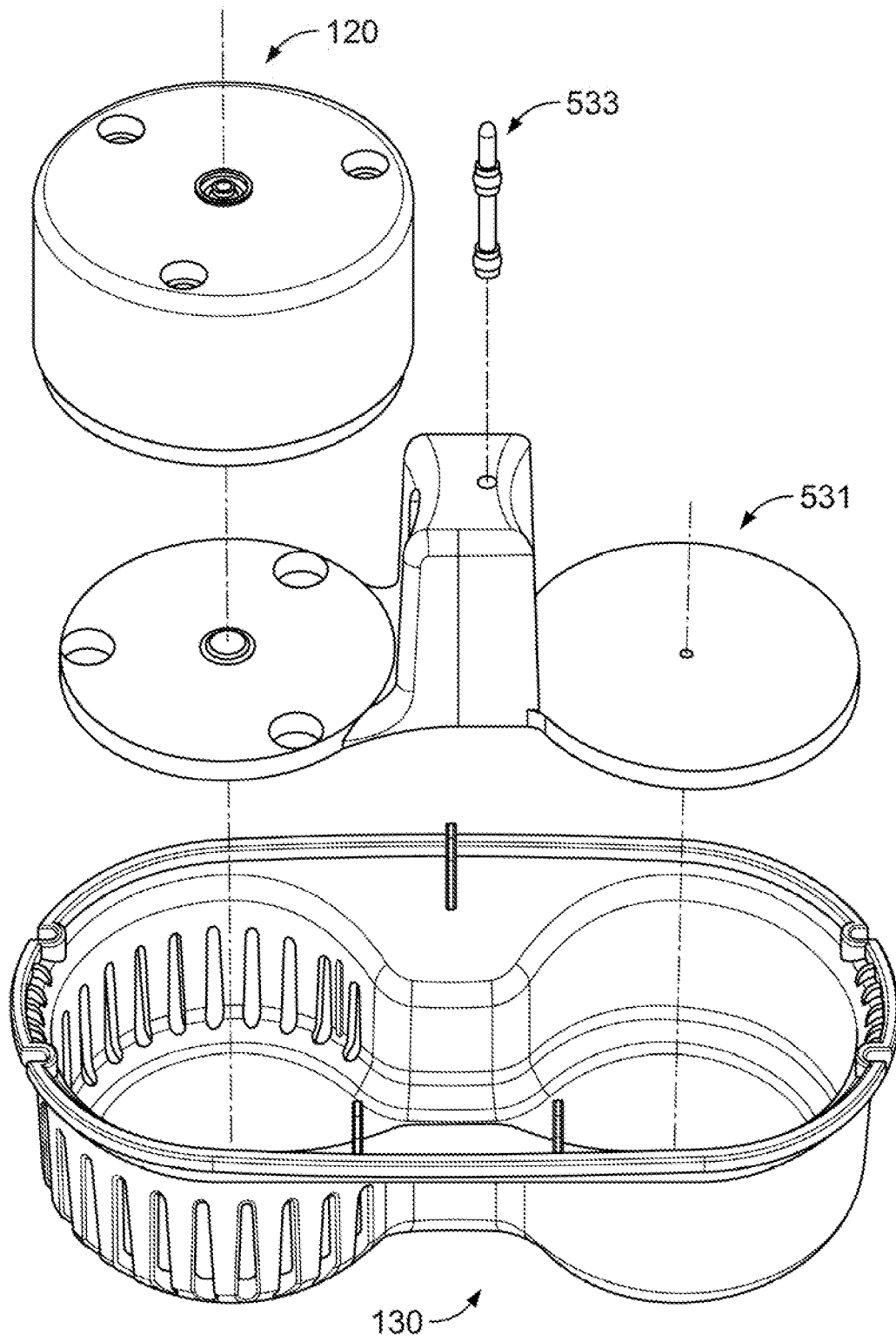


FIG. 5A

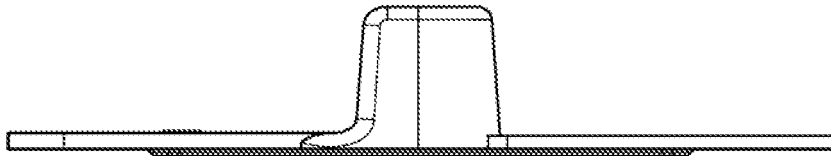


FIG. 5B

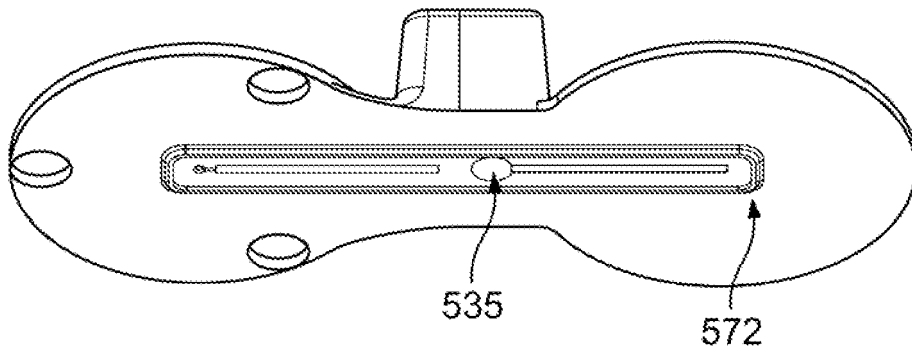


FIG. 5C

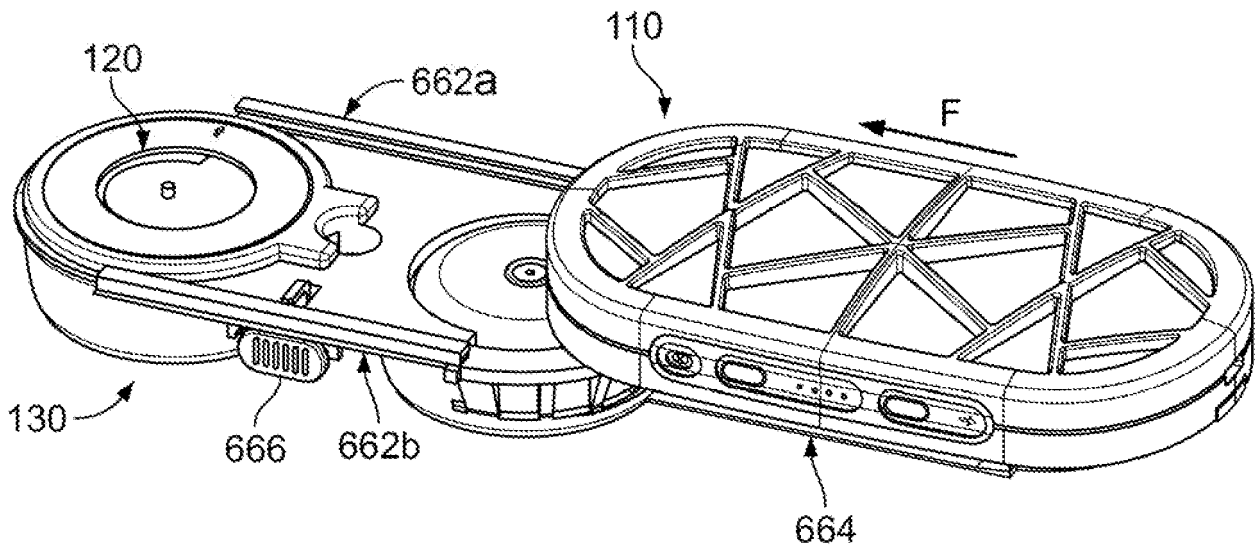


FIG. 6A

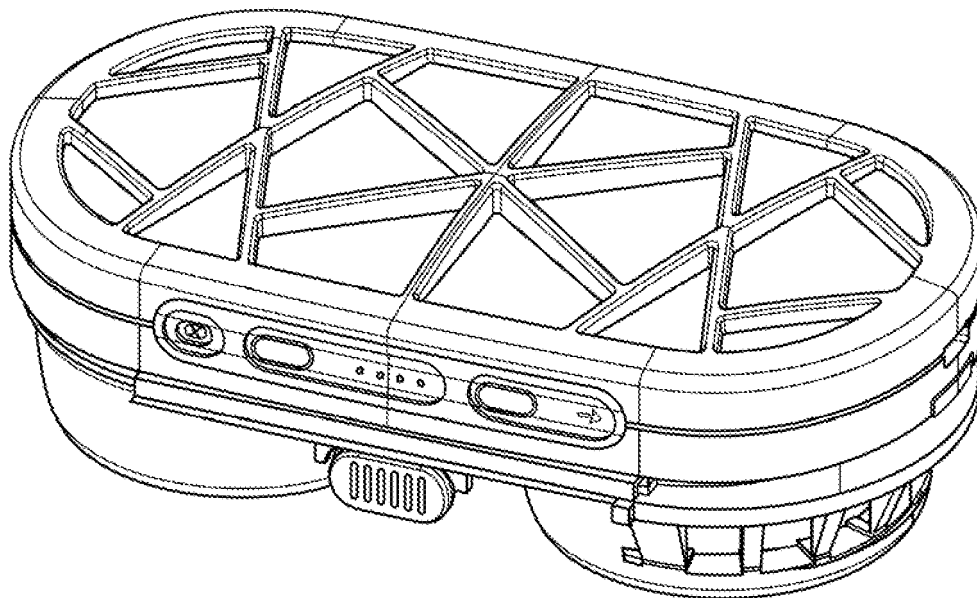


FIG. 6B

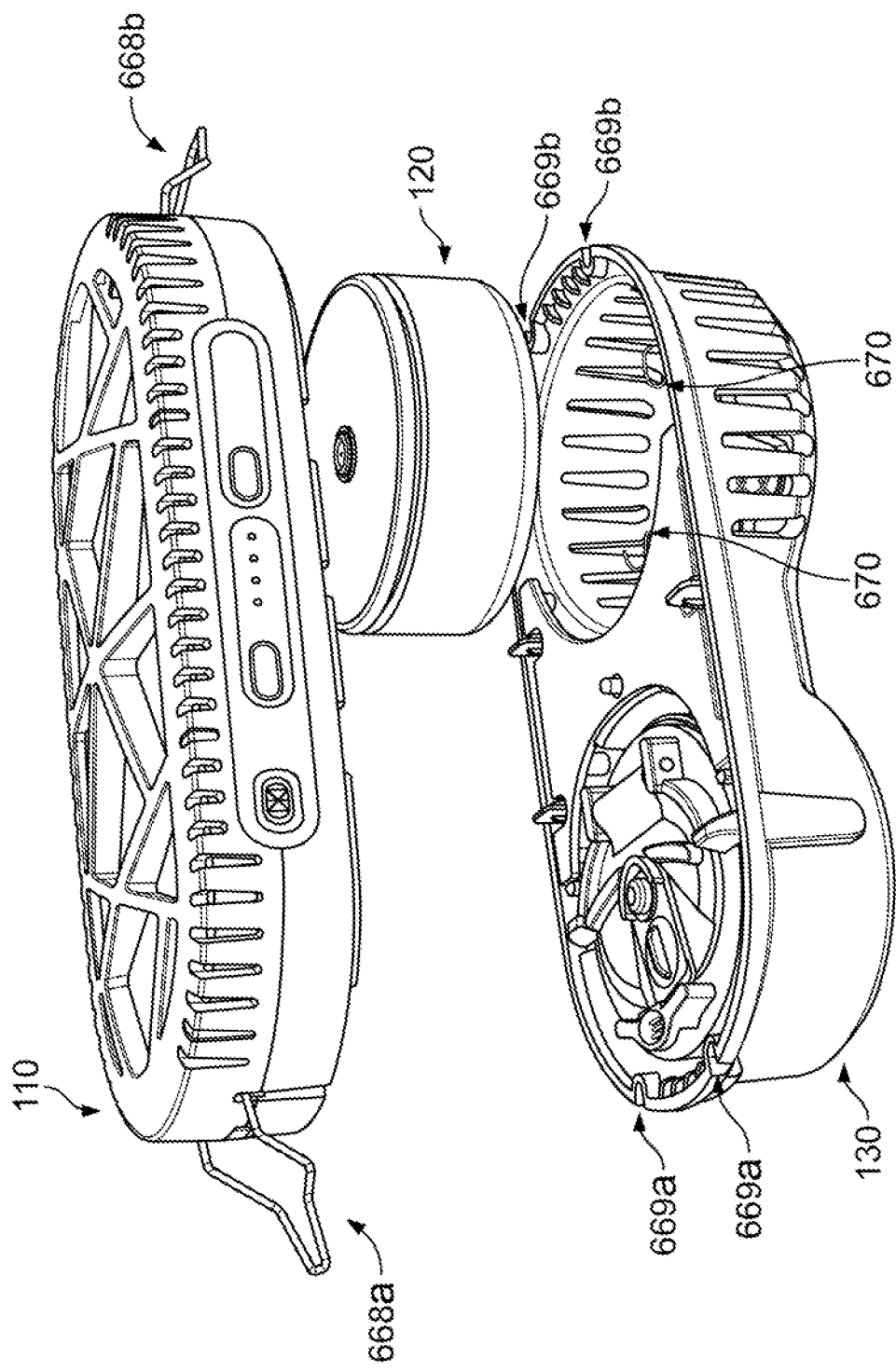


FIG. 6C

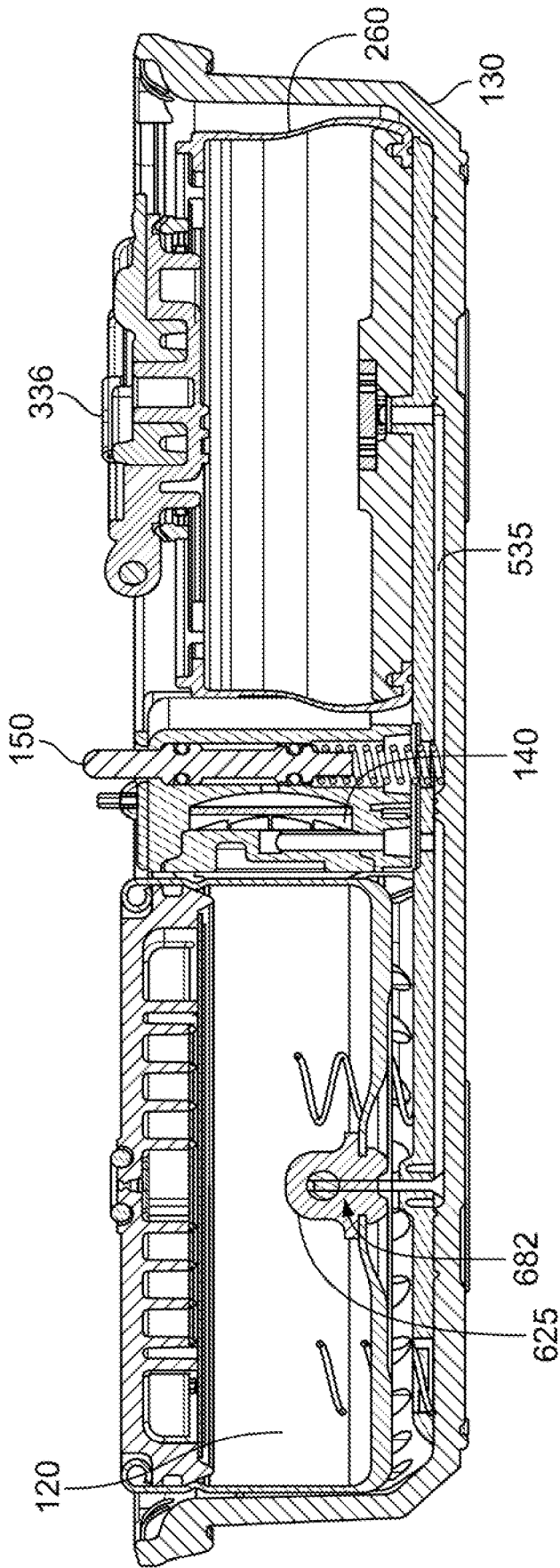
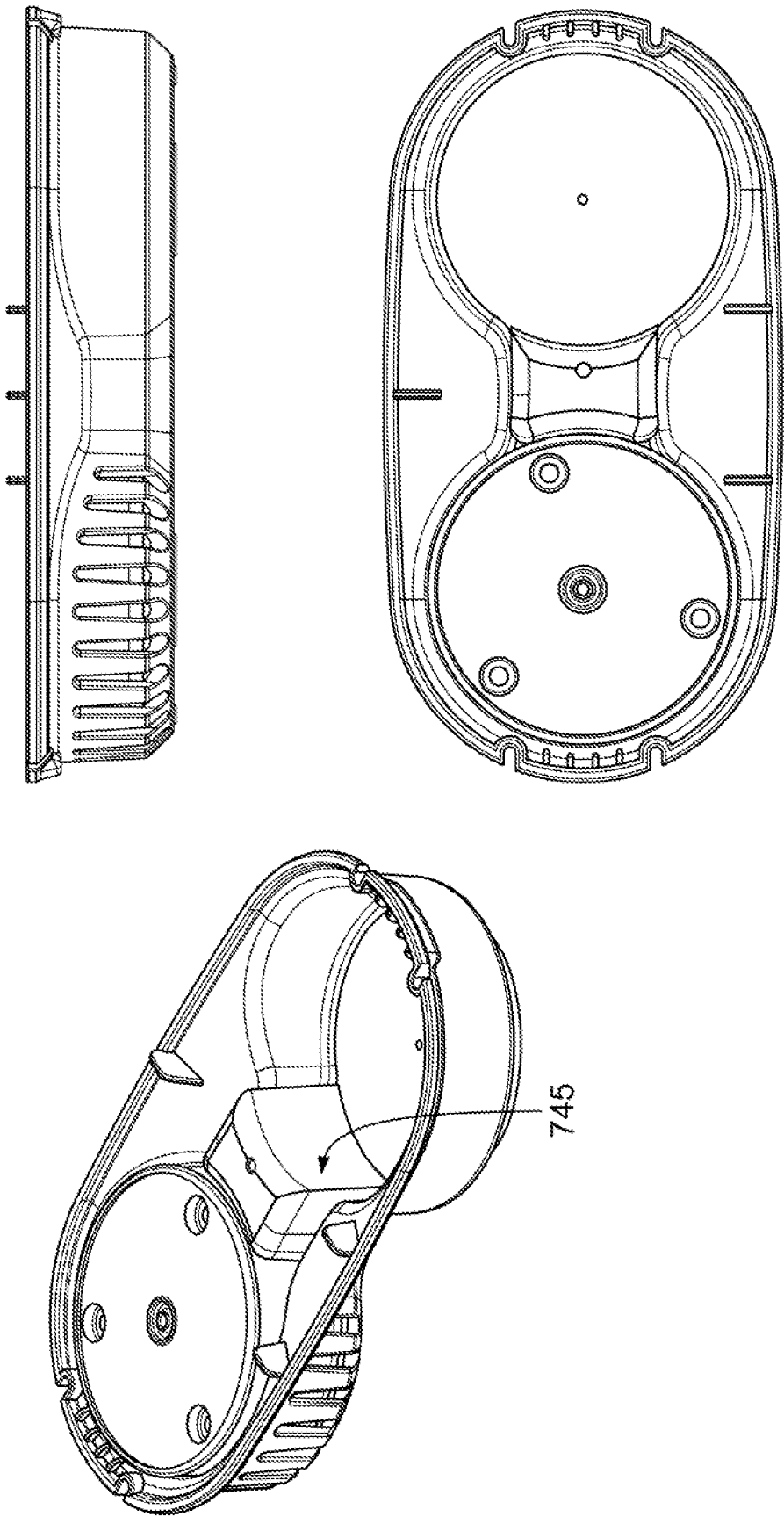


FIG. 6D



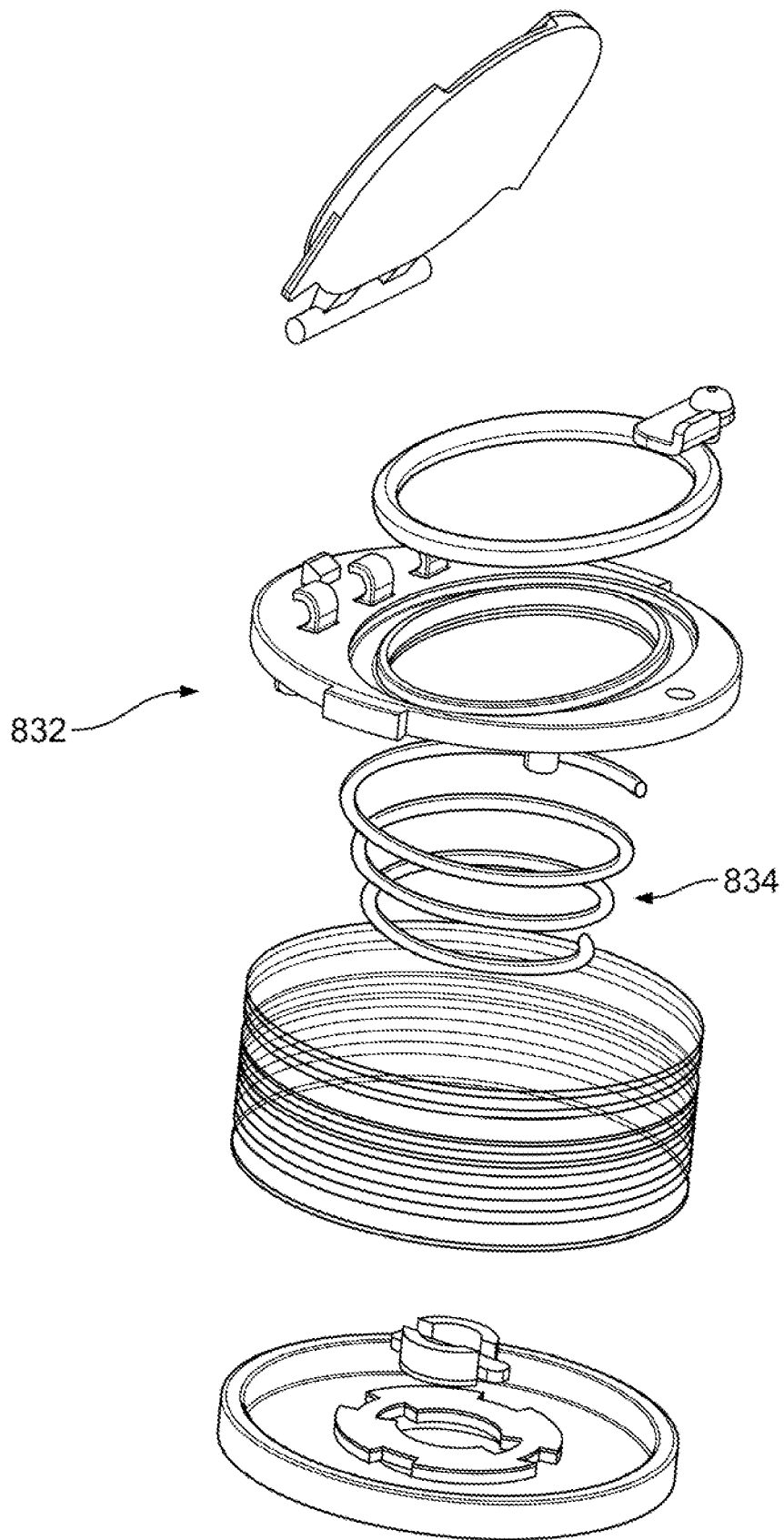


FIG. 8A

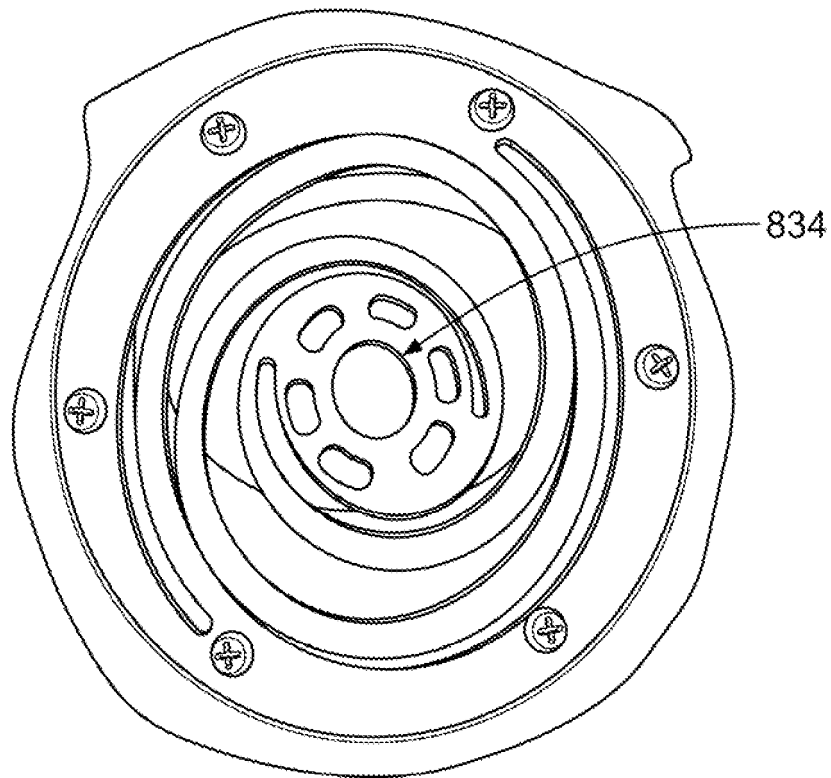


FIG. 8B

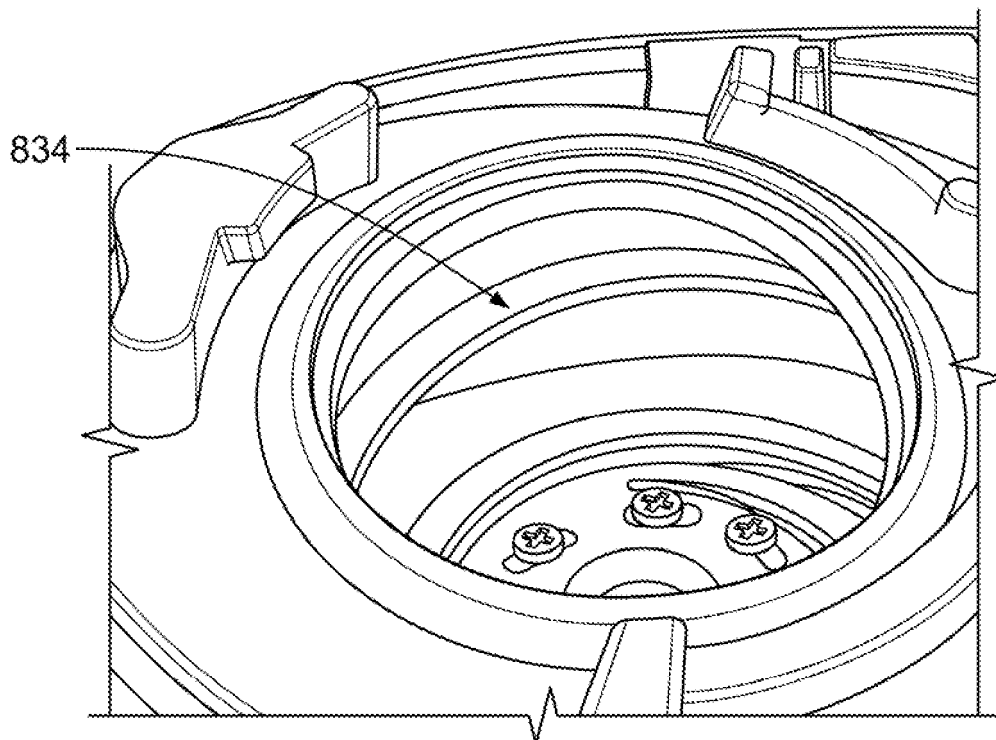


FIG. 8C

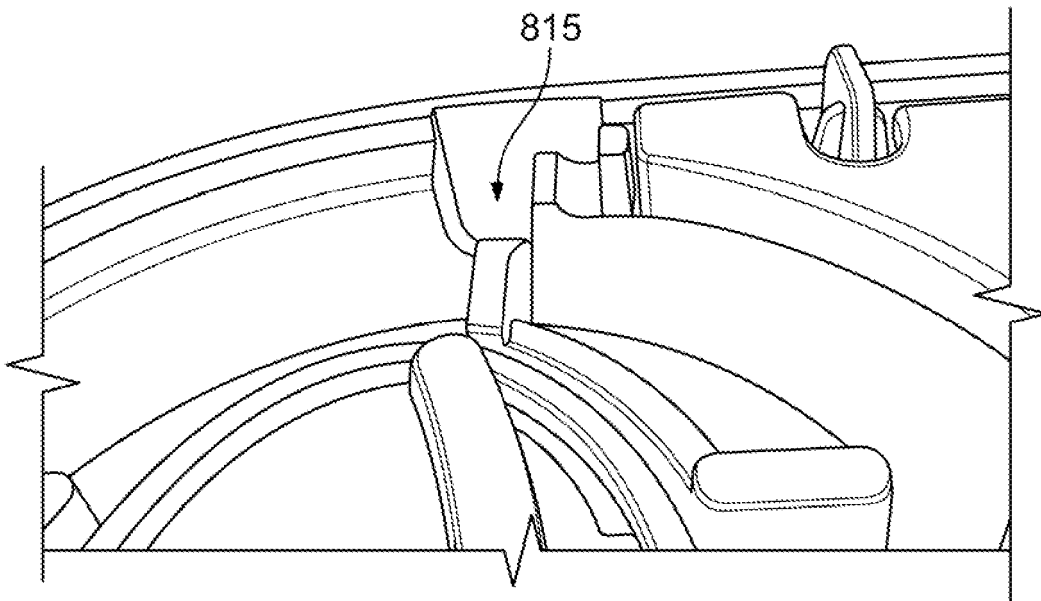


FIG. 8D

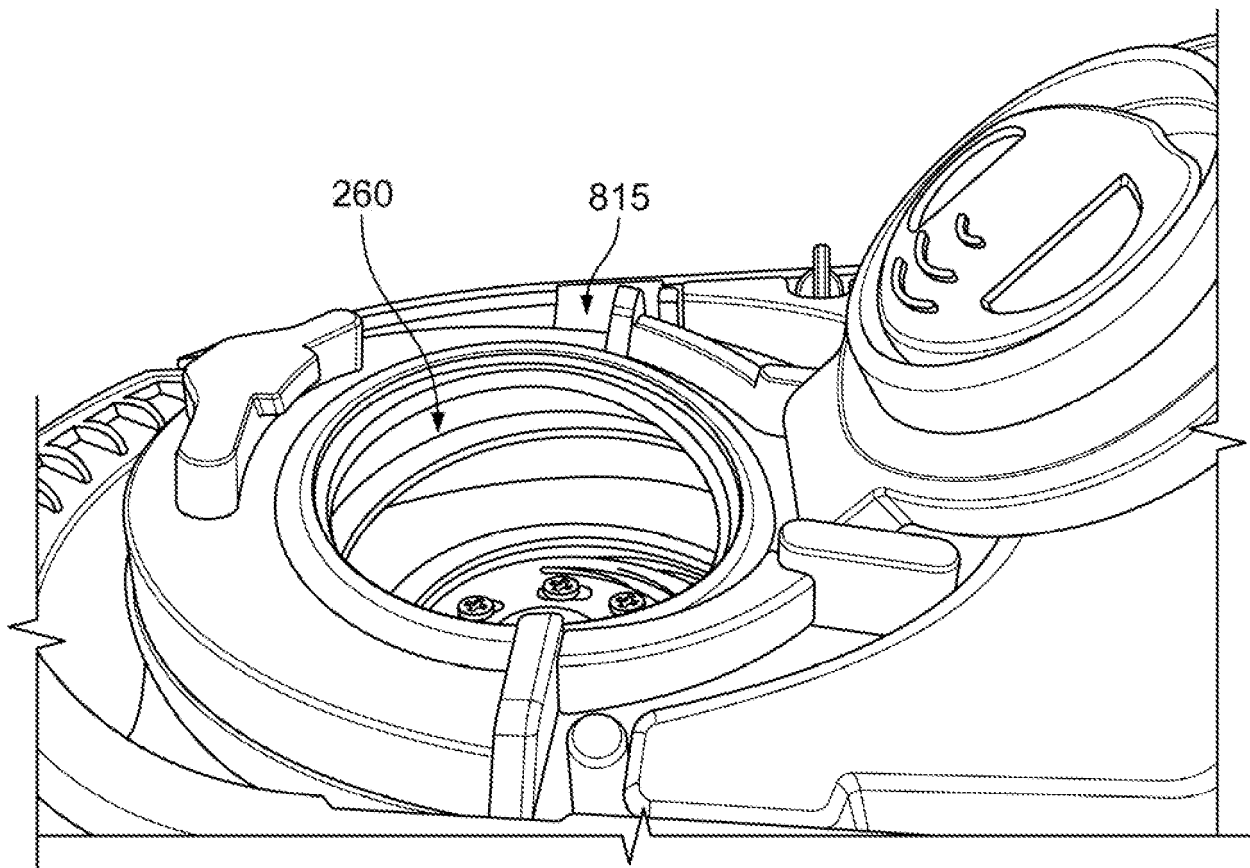


FIG. 8E

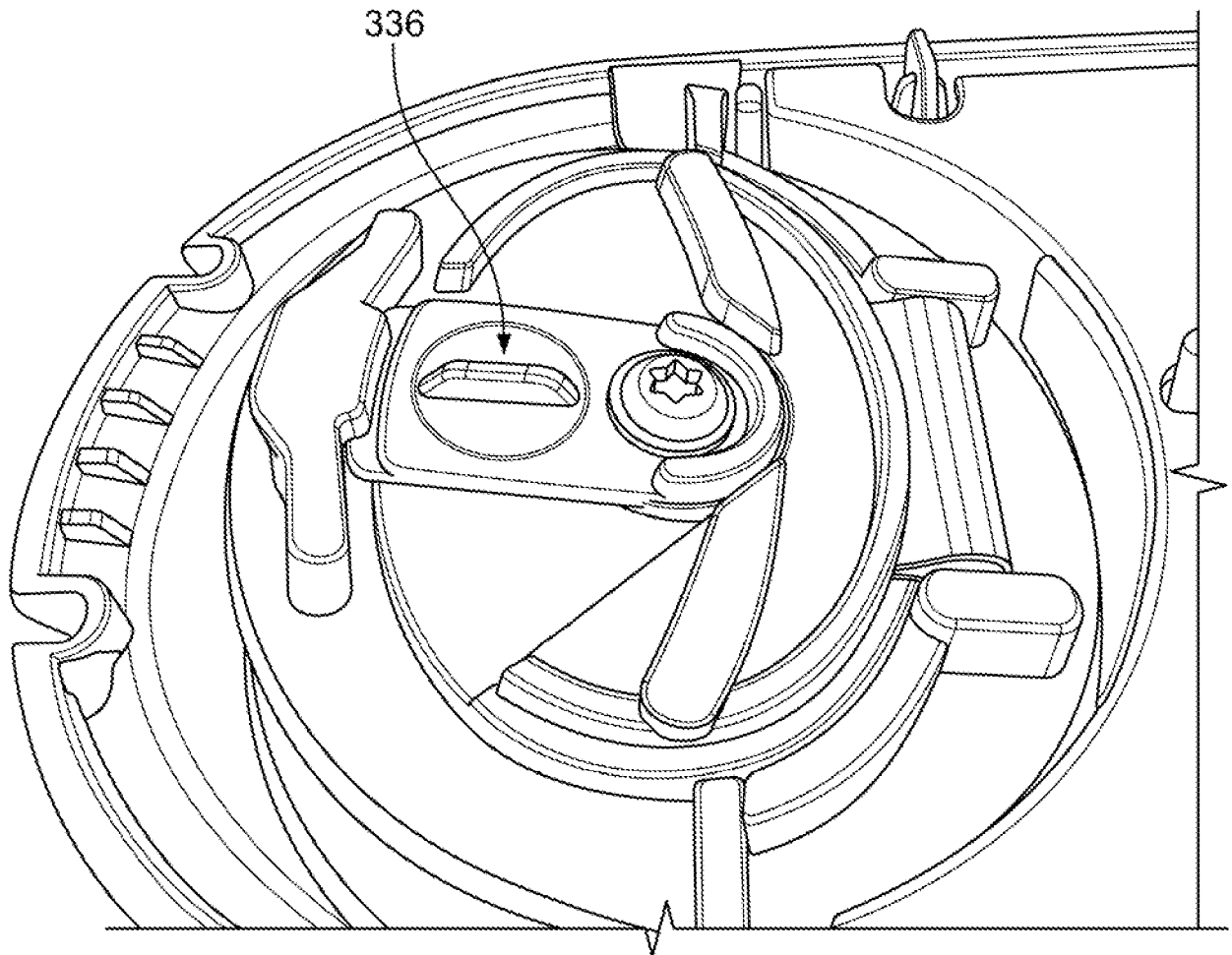


FIG. 8F

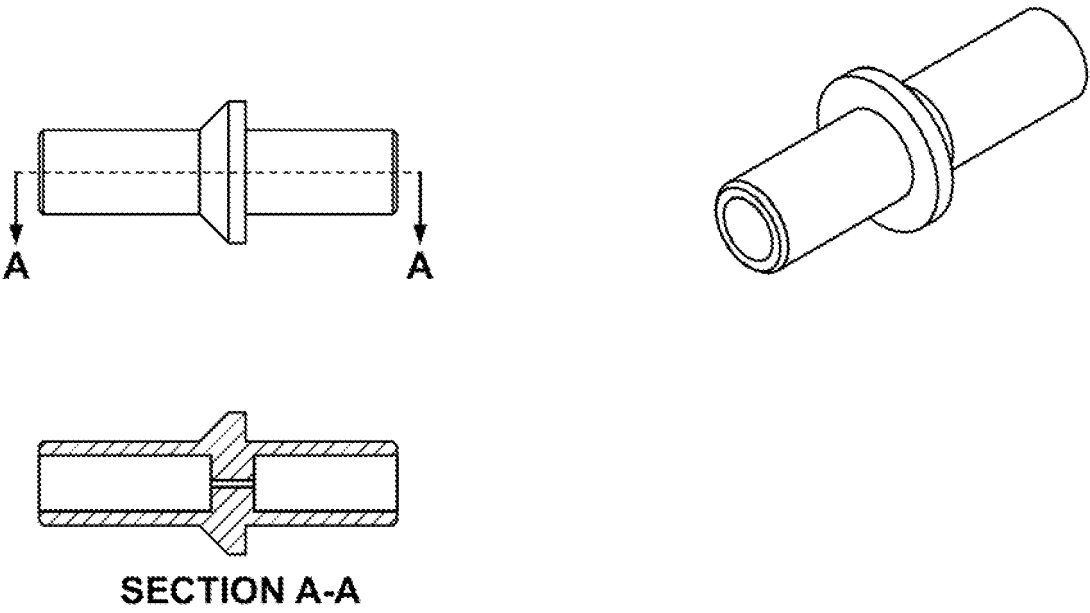


FIG. 9

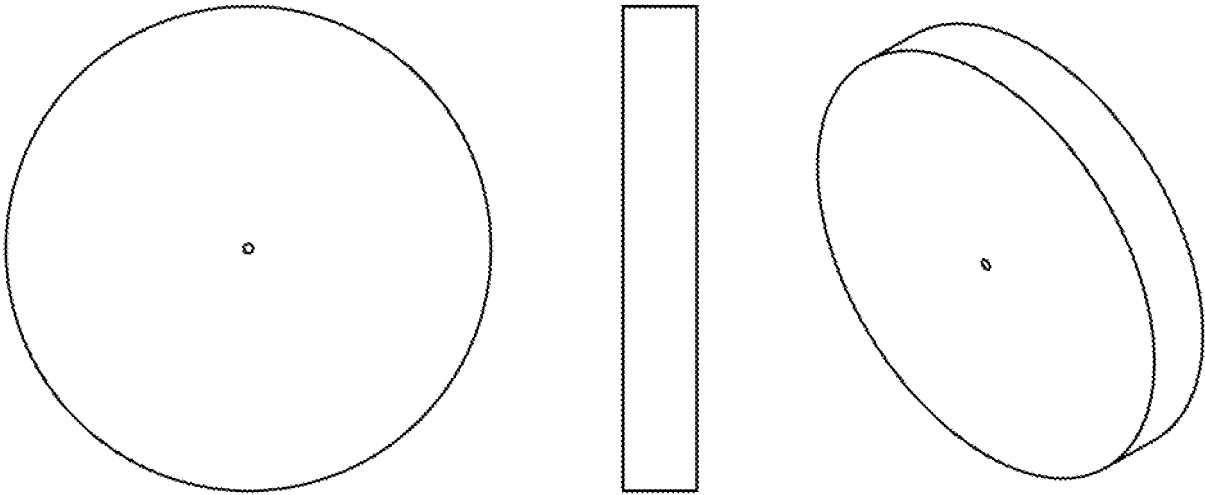
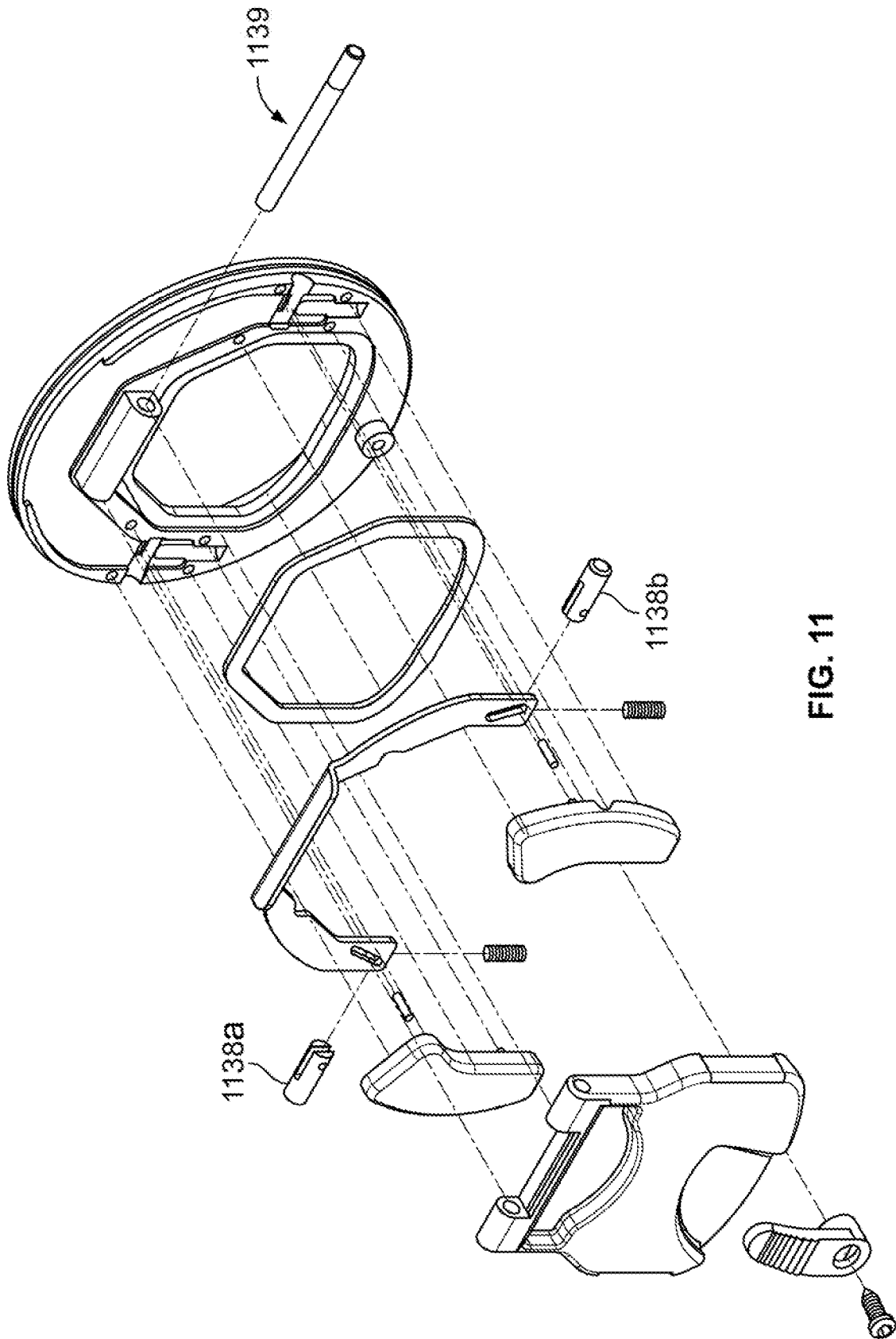


FIG. 10



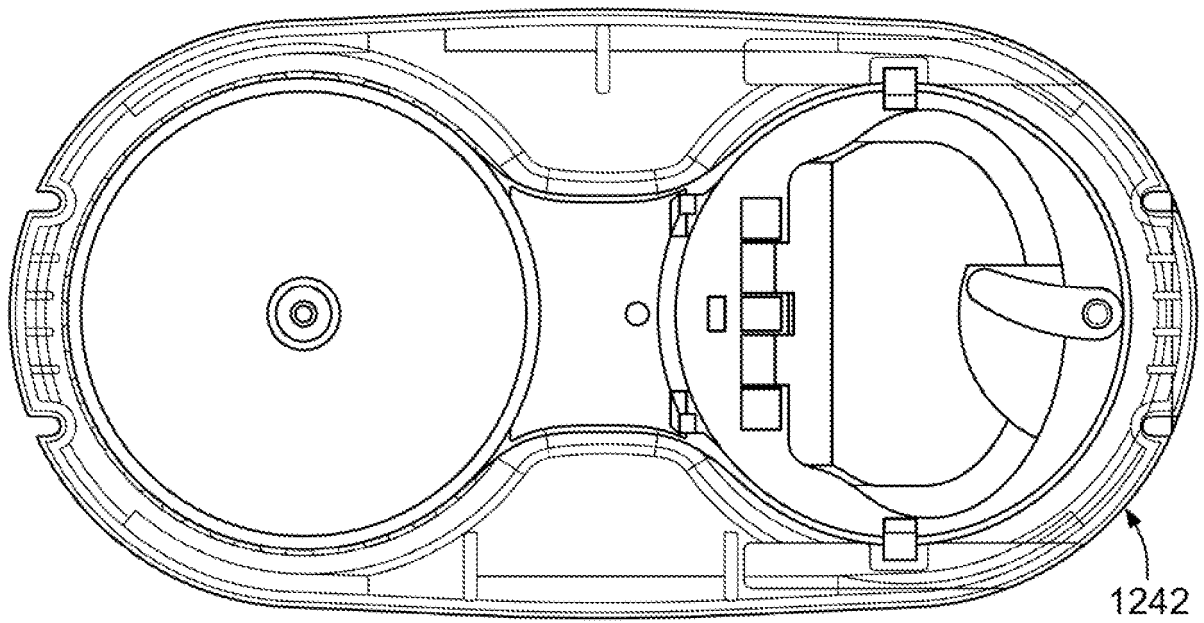


FIG. 12A

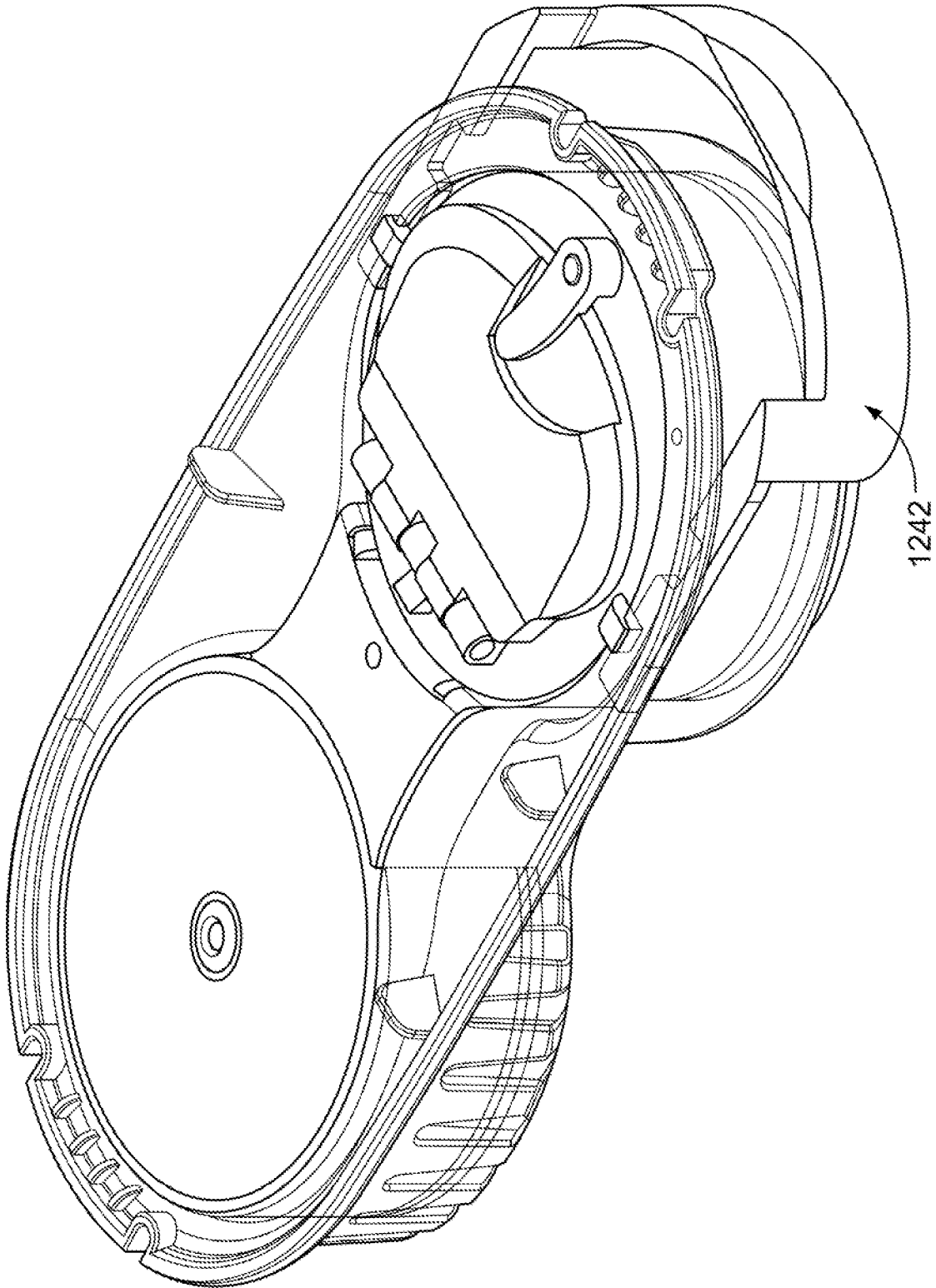


FIG. 12B

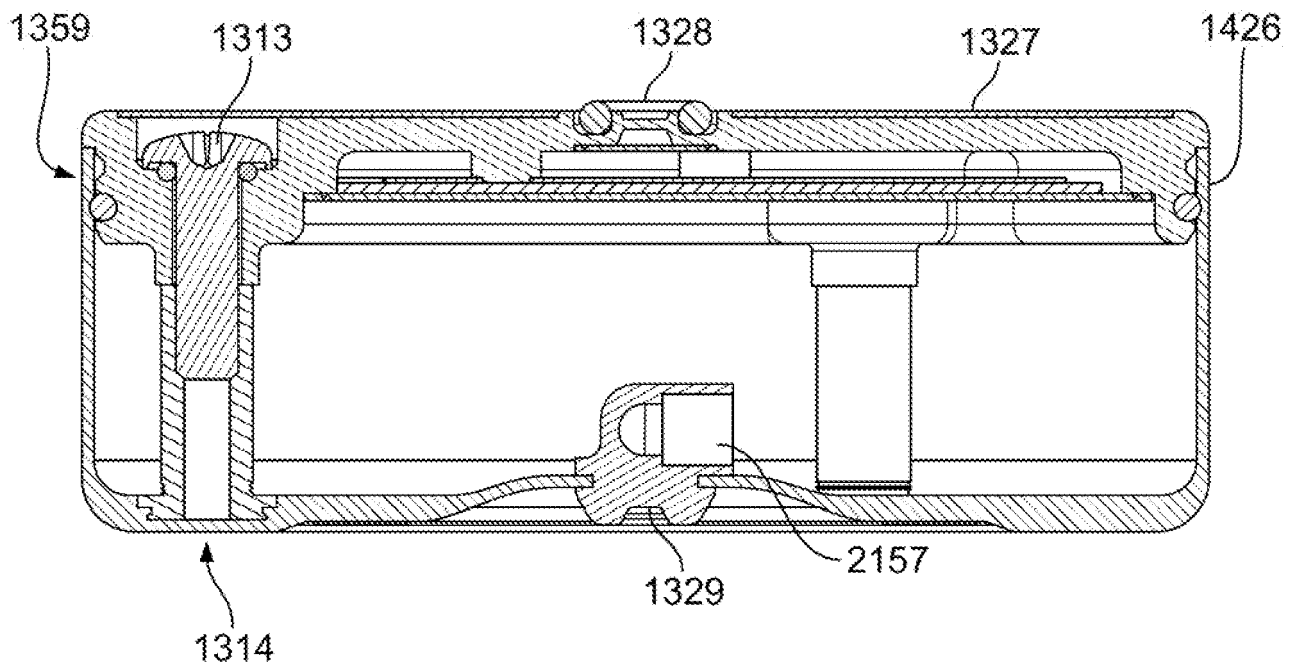


FIG. 13A

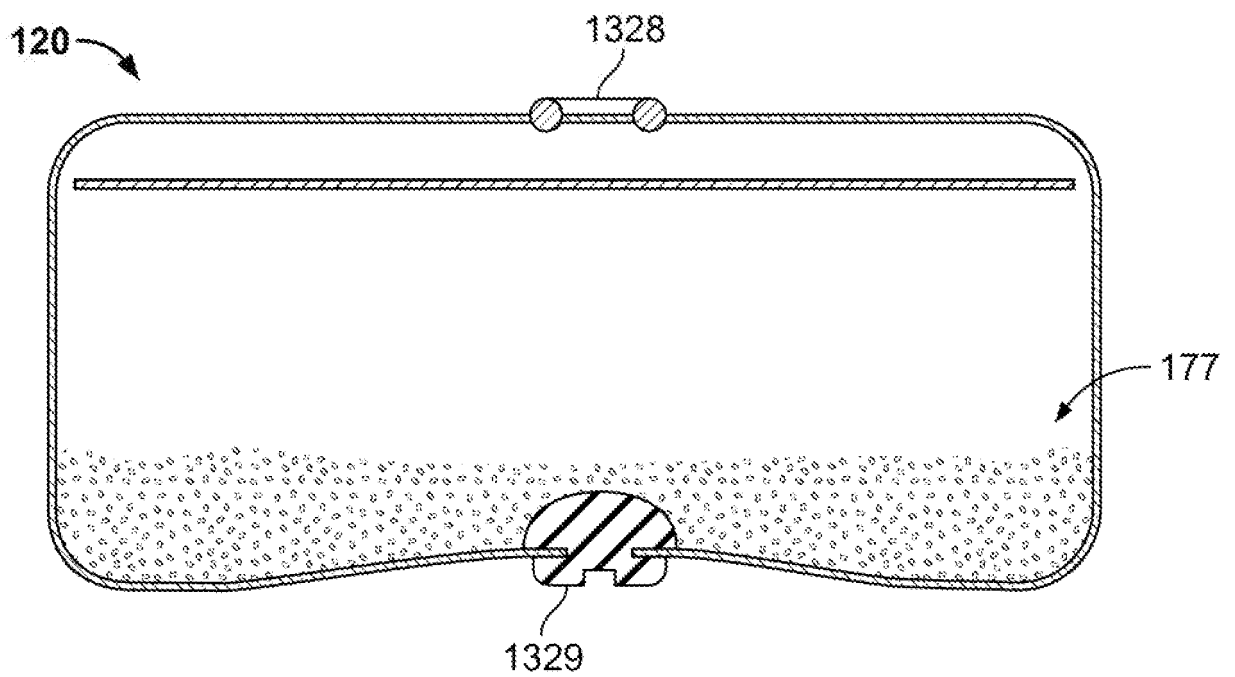


FIG. 13B

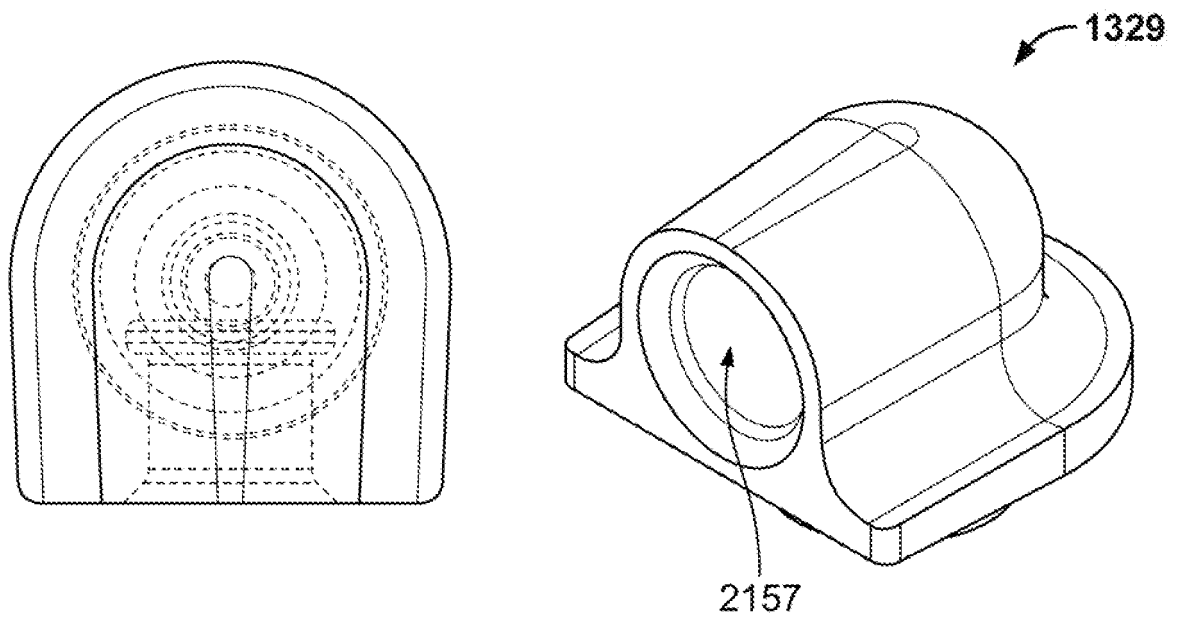


FIG. 13C

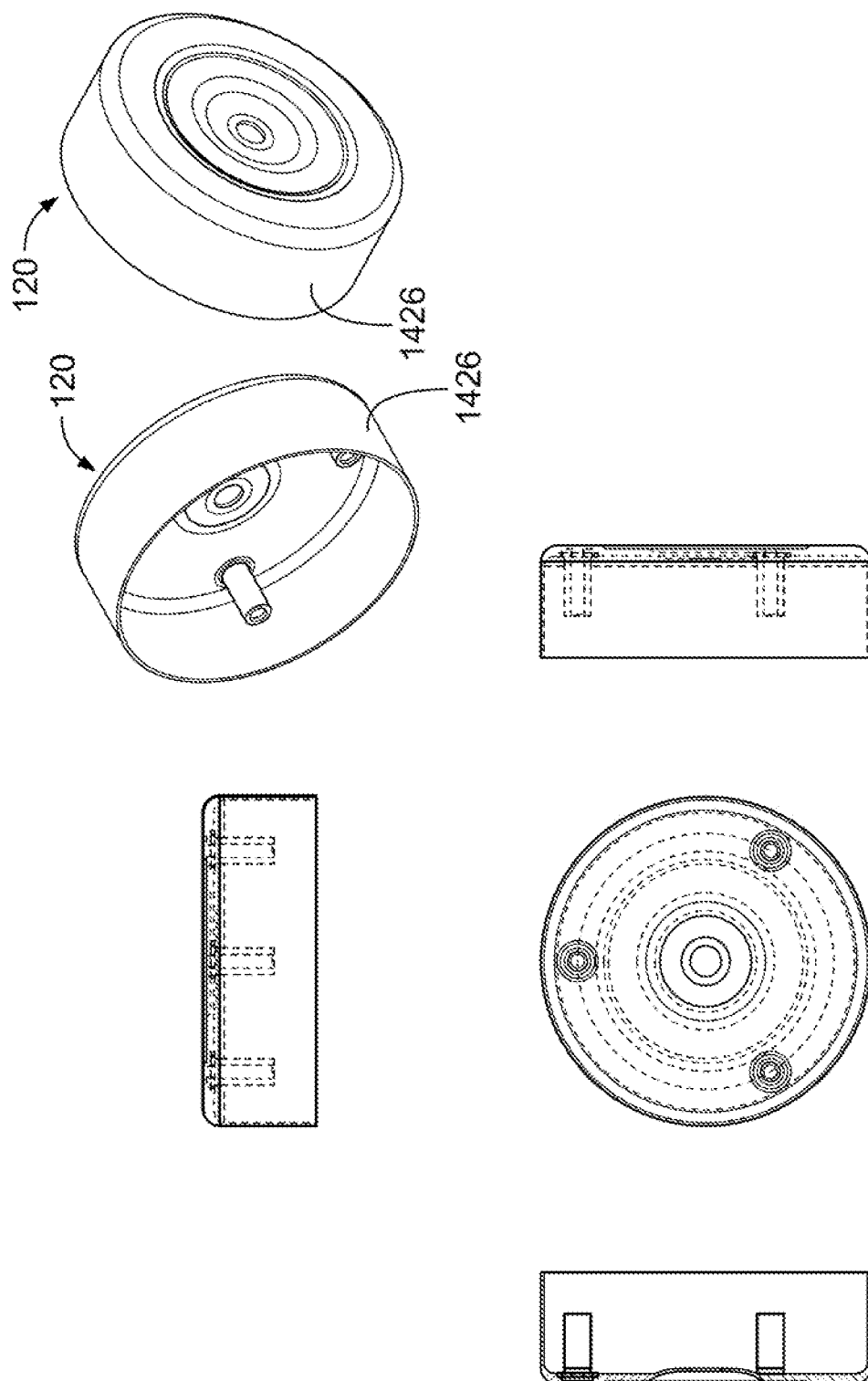
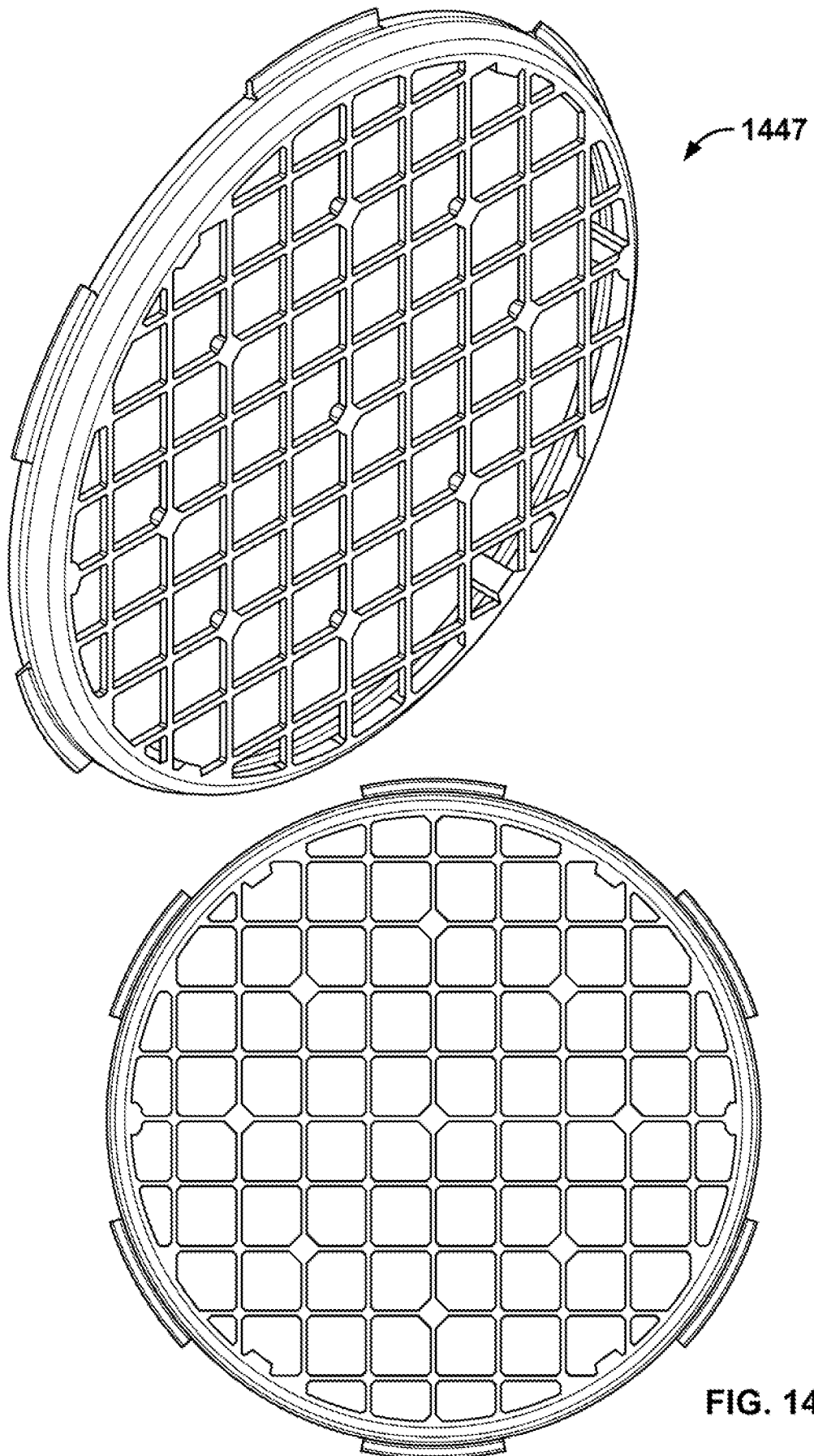


FIG. 14A



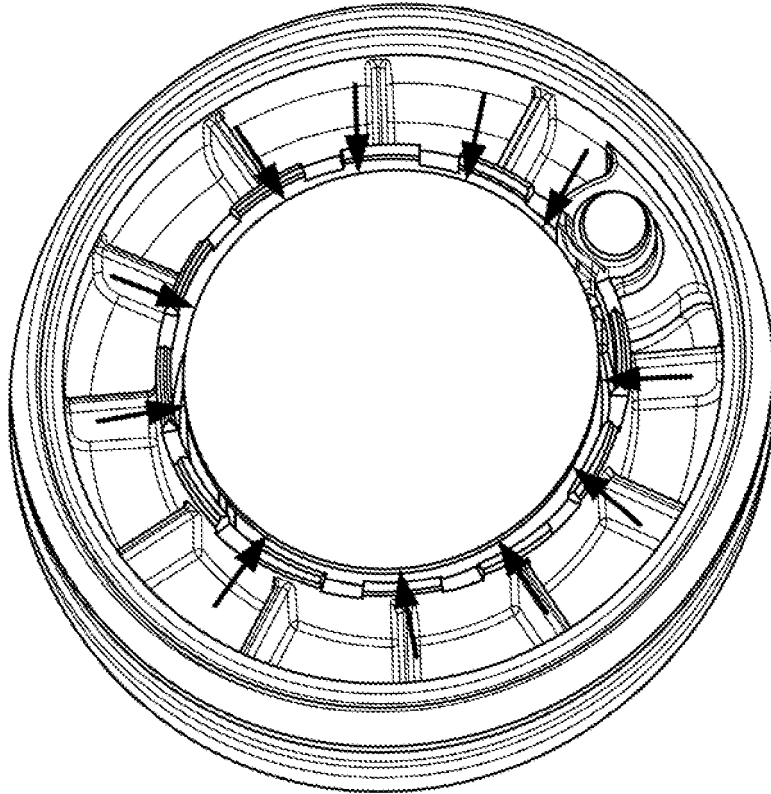


FIG. 15A

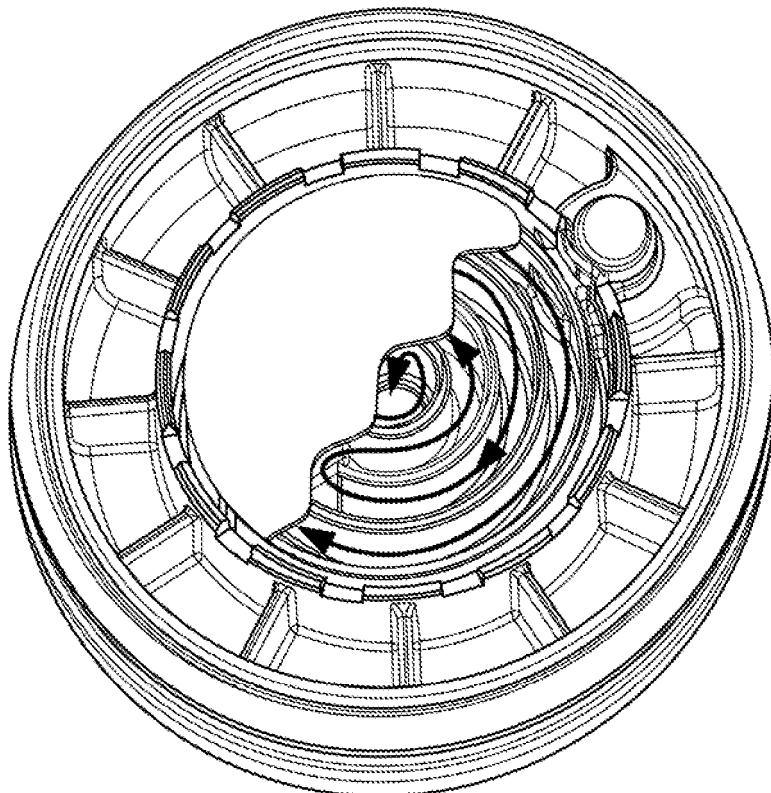


FIG. 15B

FIGURE 15C

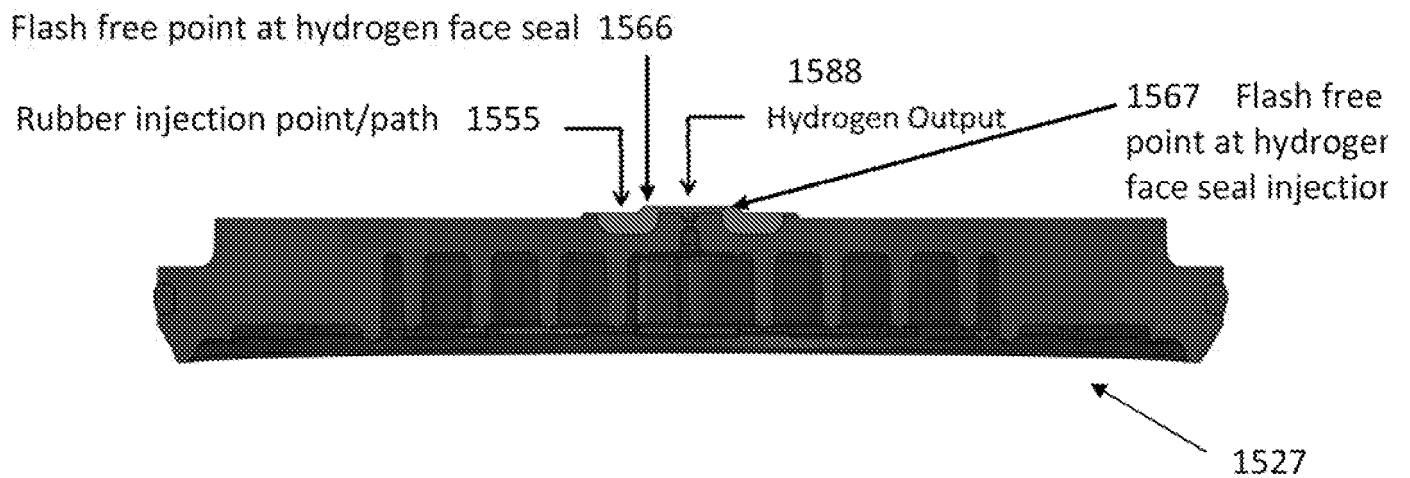
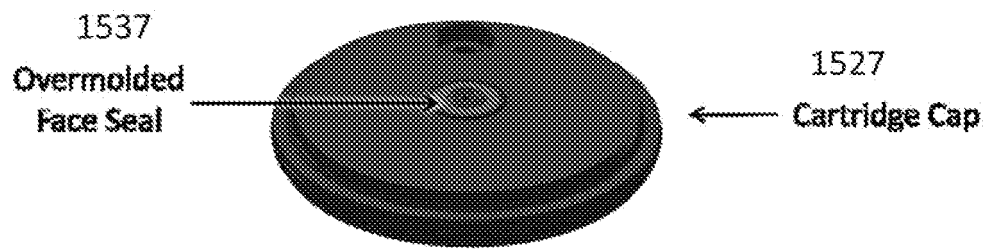


FIGURE 15D

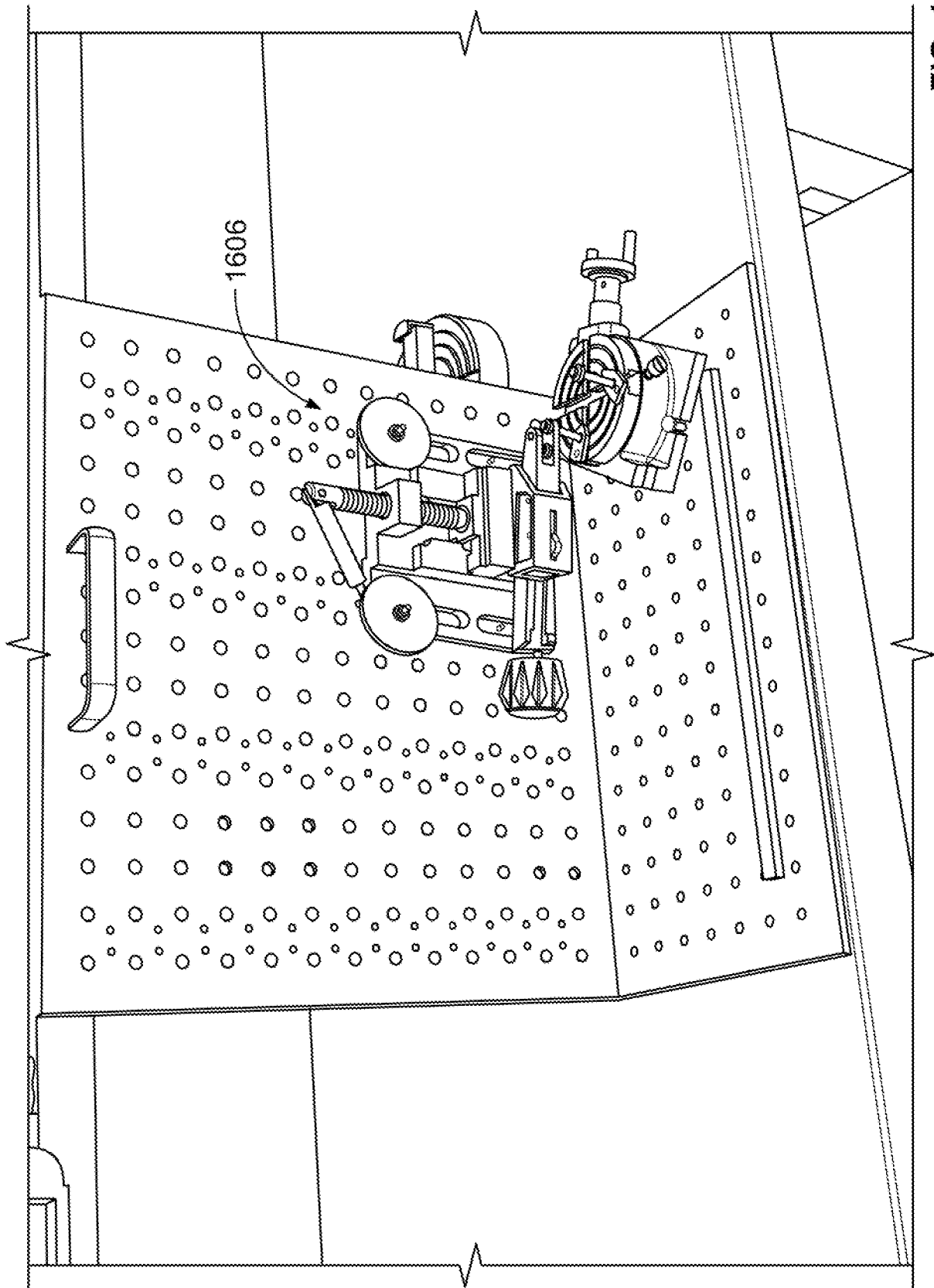


FIG. 16A

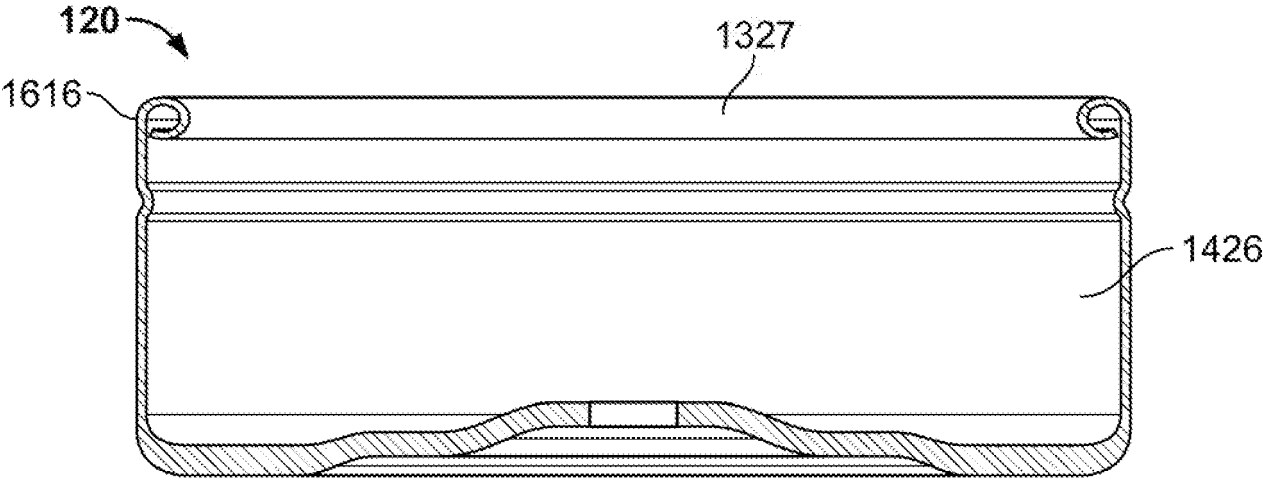


FIG. 16B

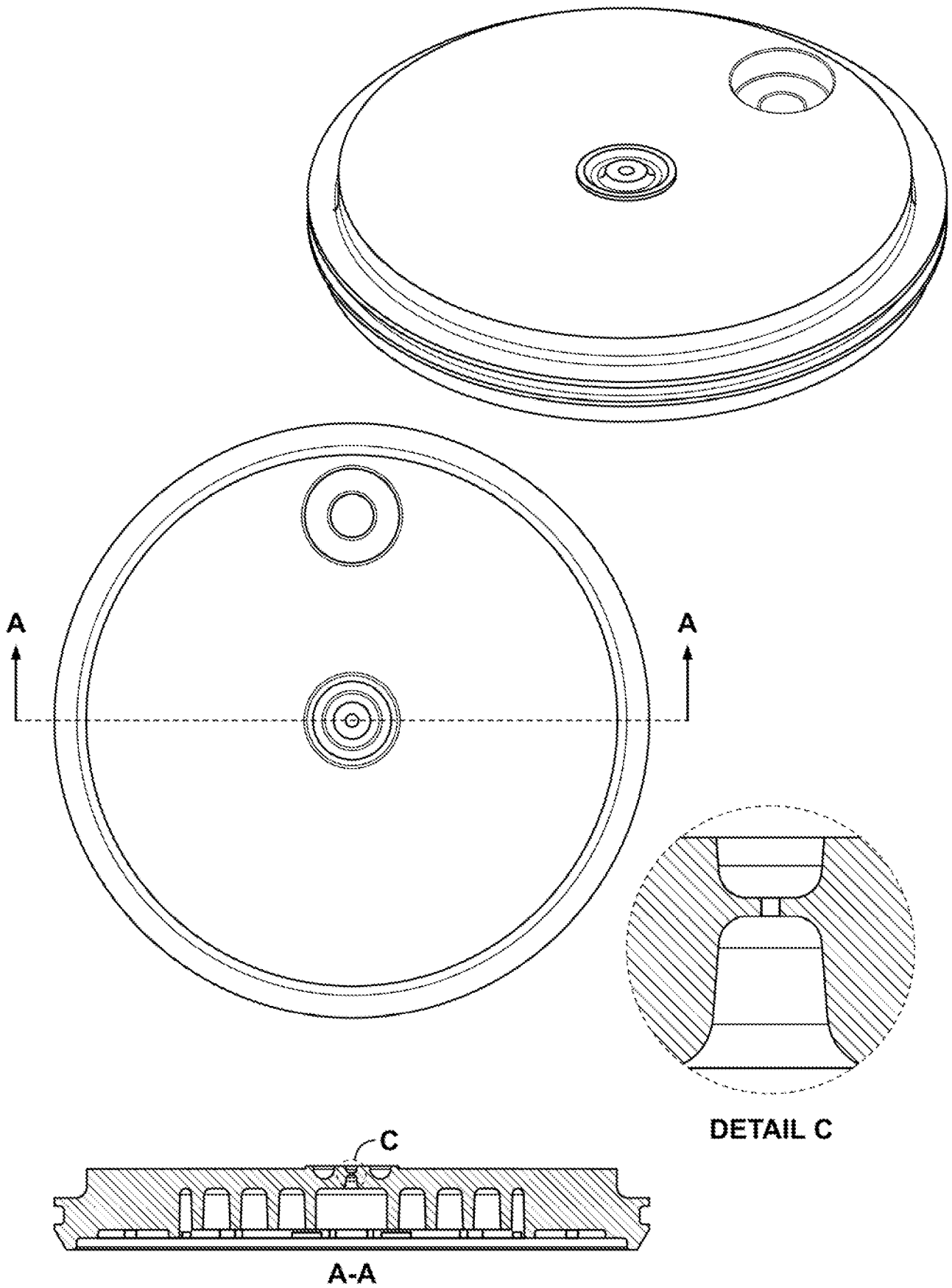


FIG. 17

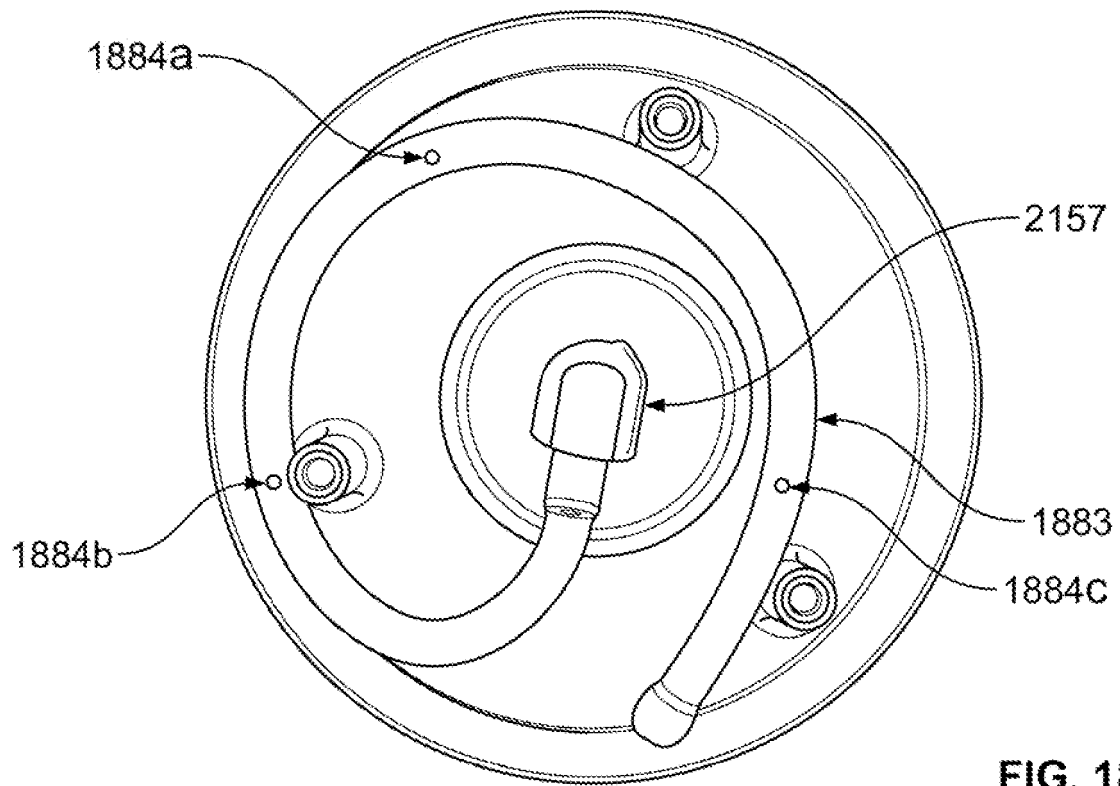


FIG. 18A

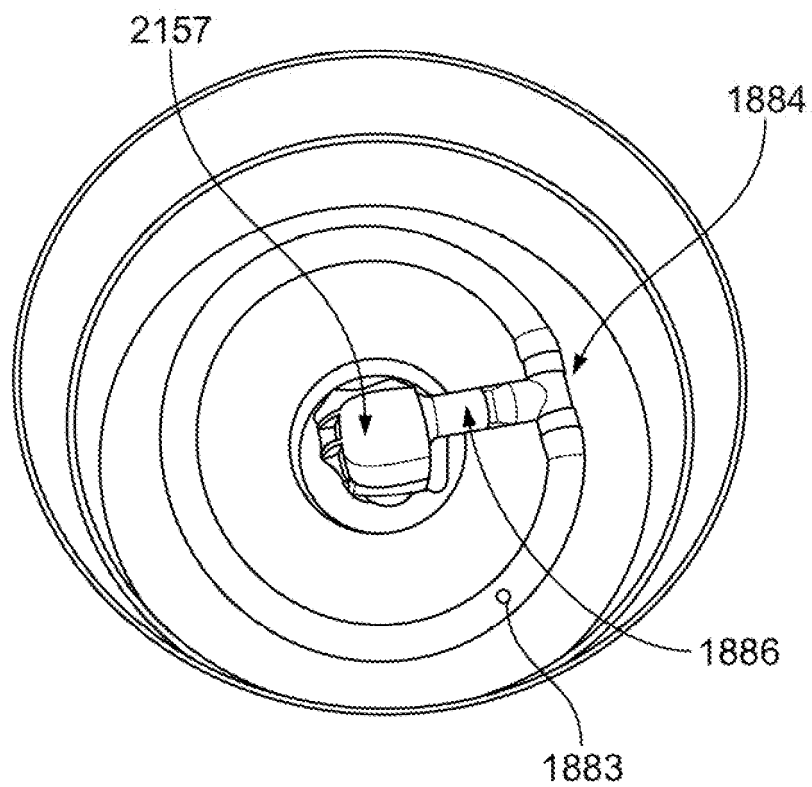


FIG. 18B

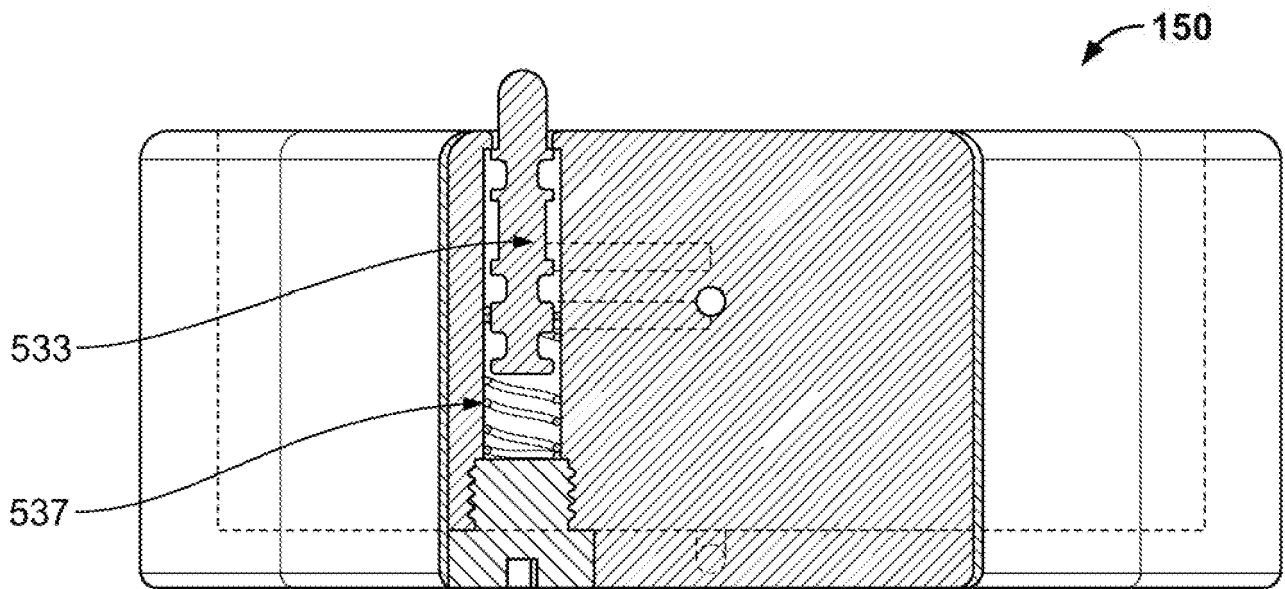


FIG. 19A

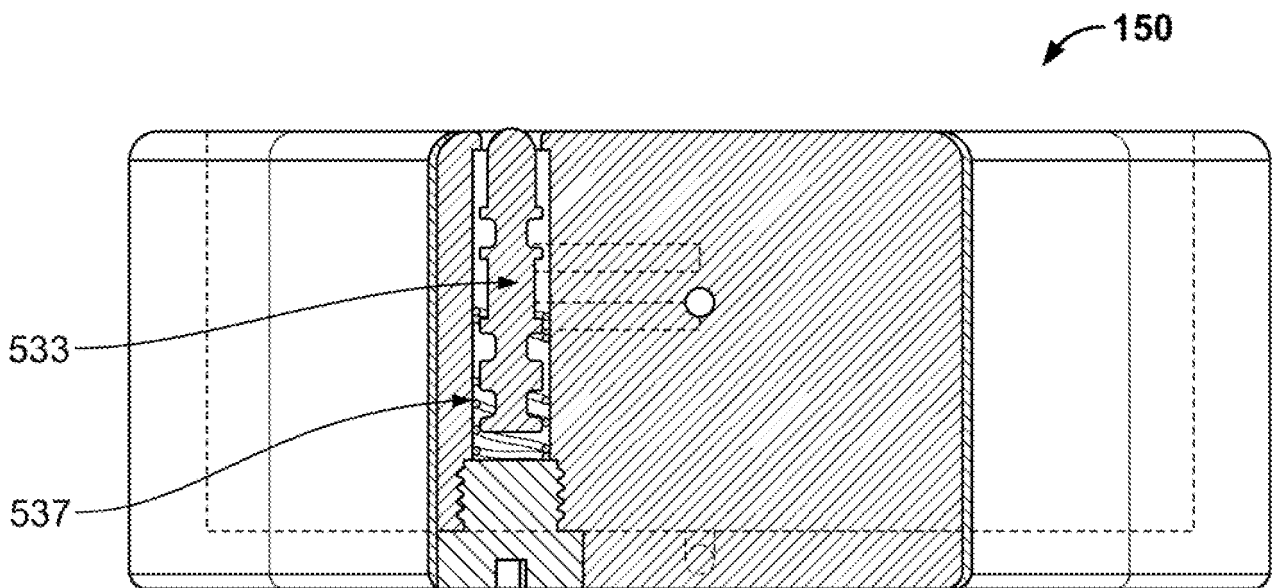


FIG. 19B

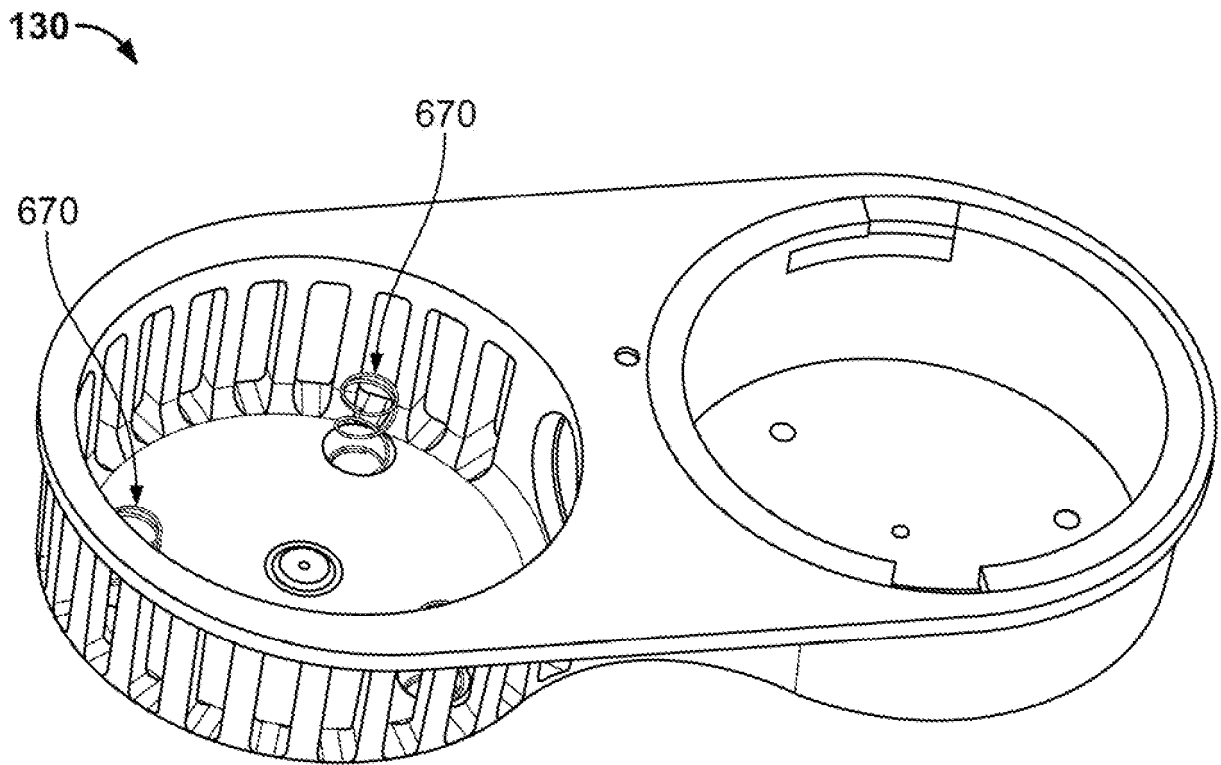


FIG. 20

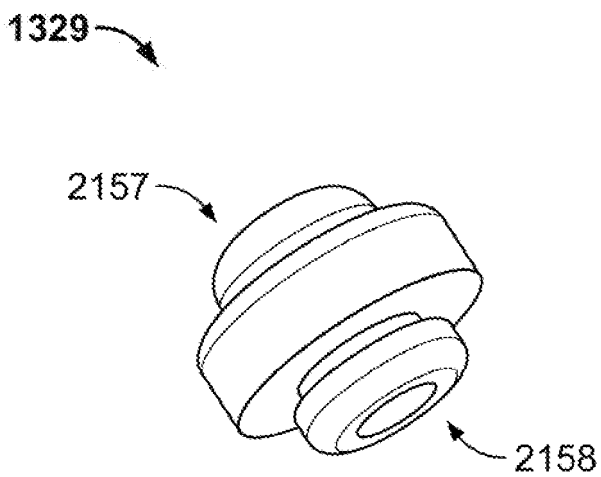


FIG. 21A

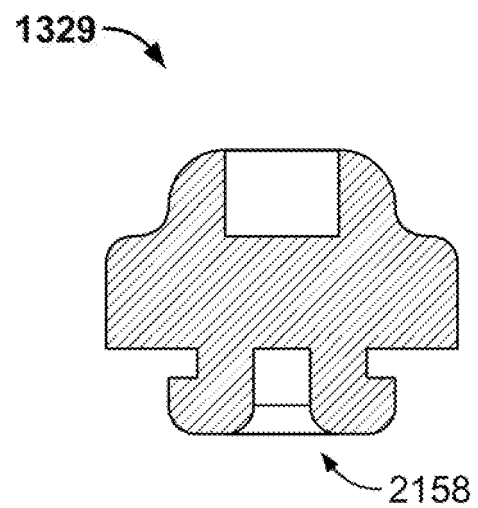


FIG. 21B

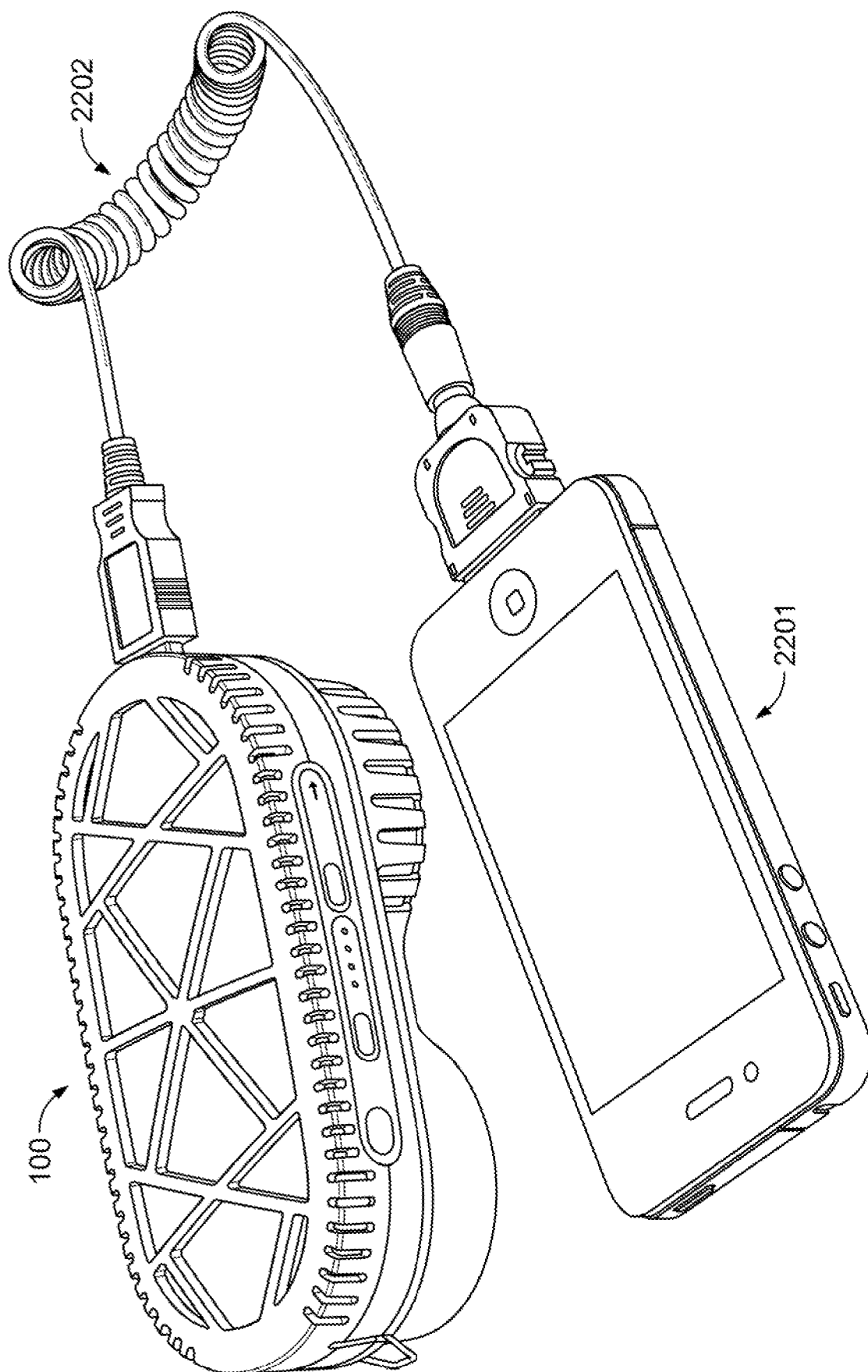


FIG. 22

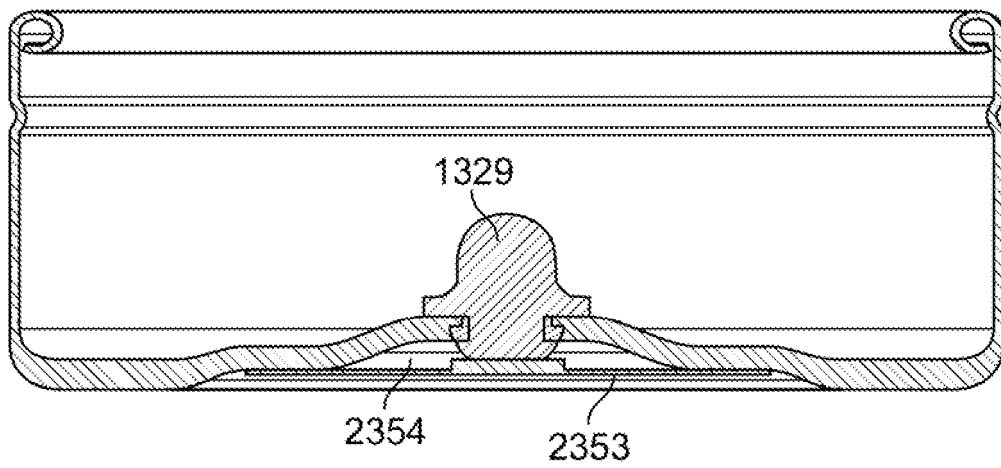


FIG. 23A

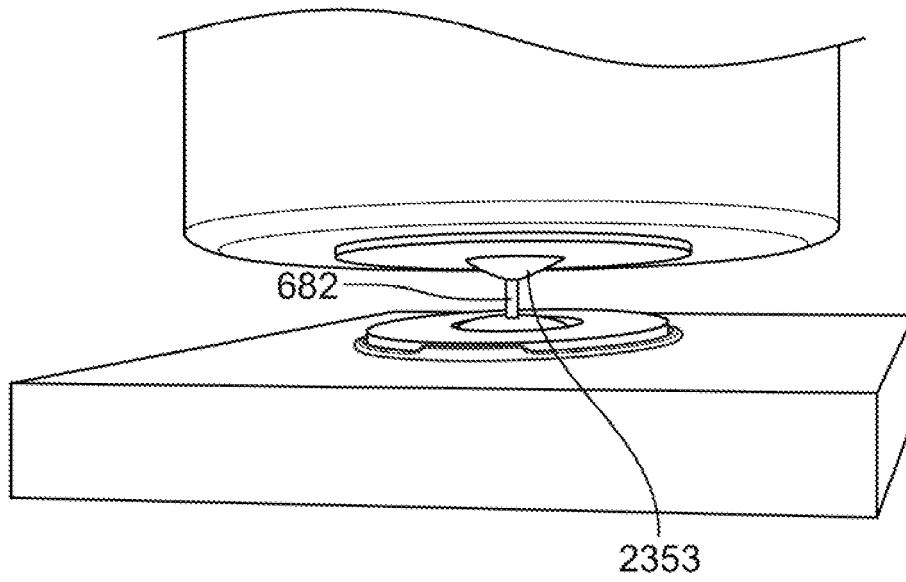


FIG. 23B

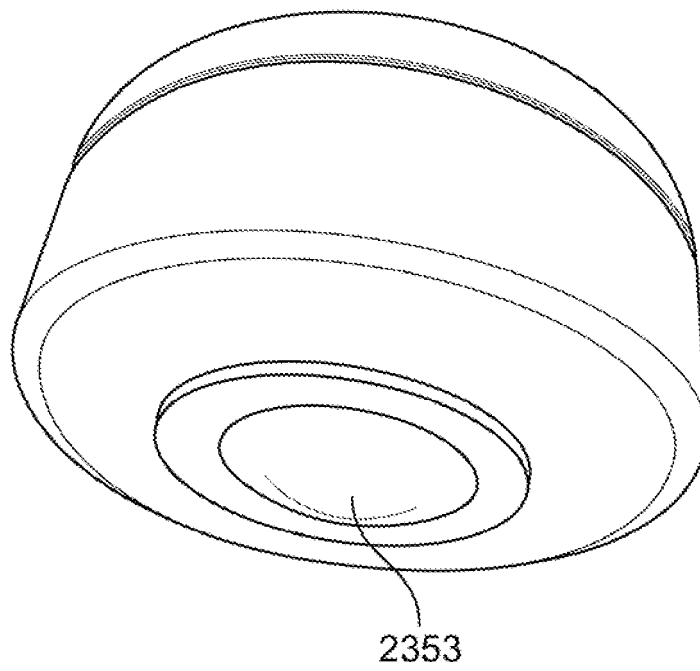


FIG. 23C

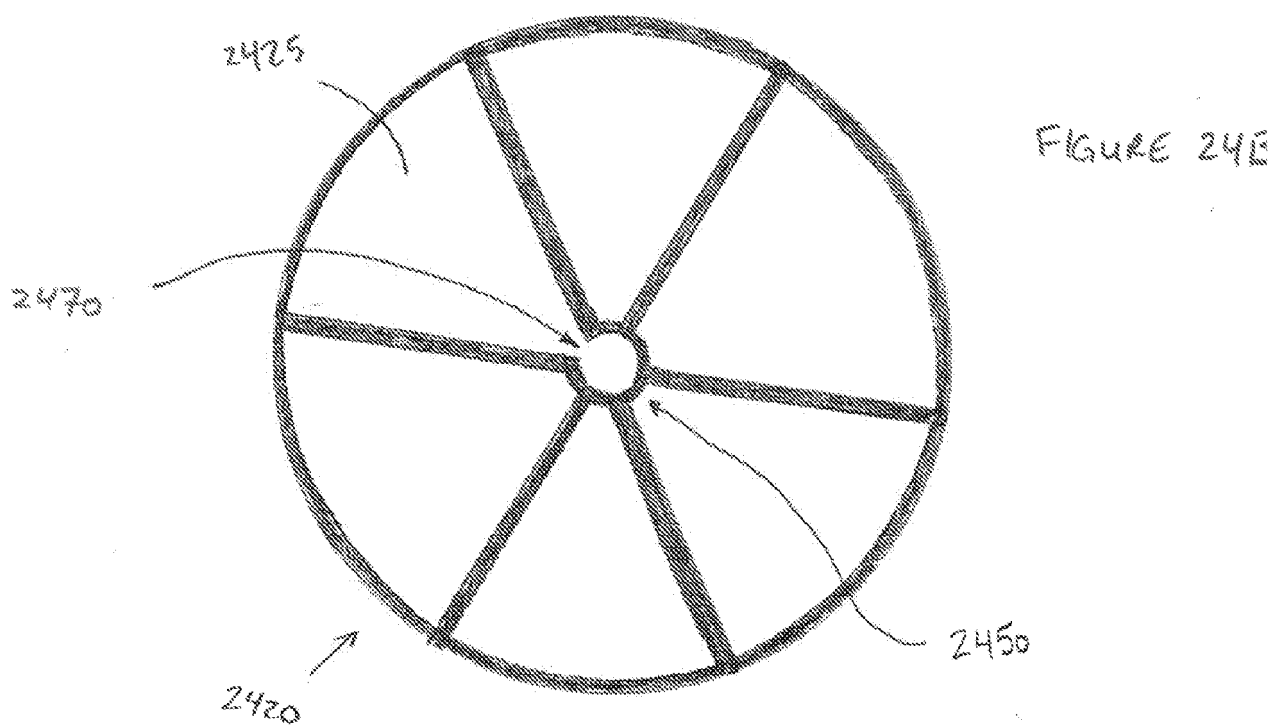
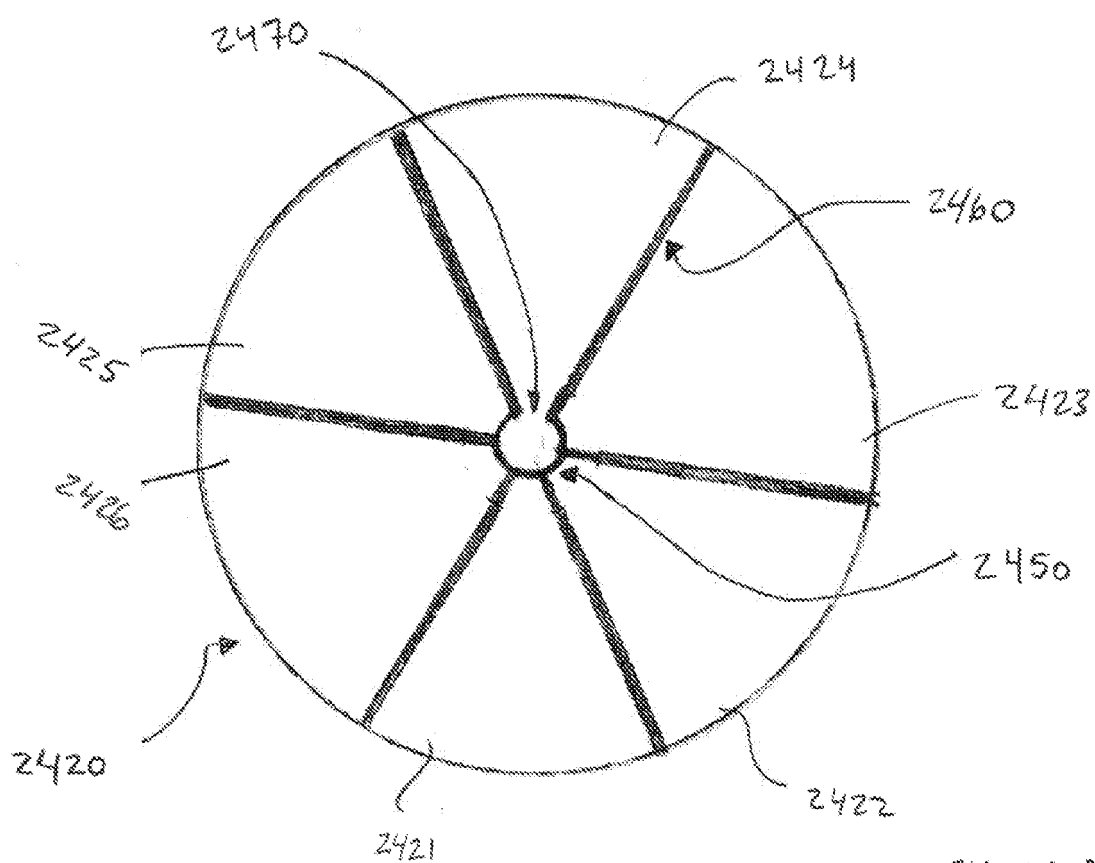
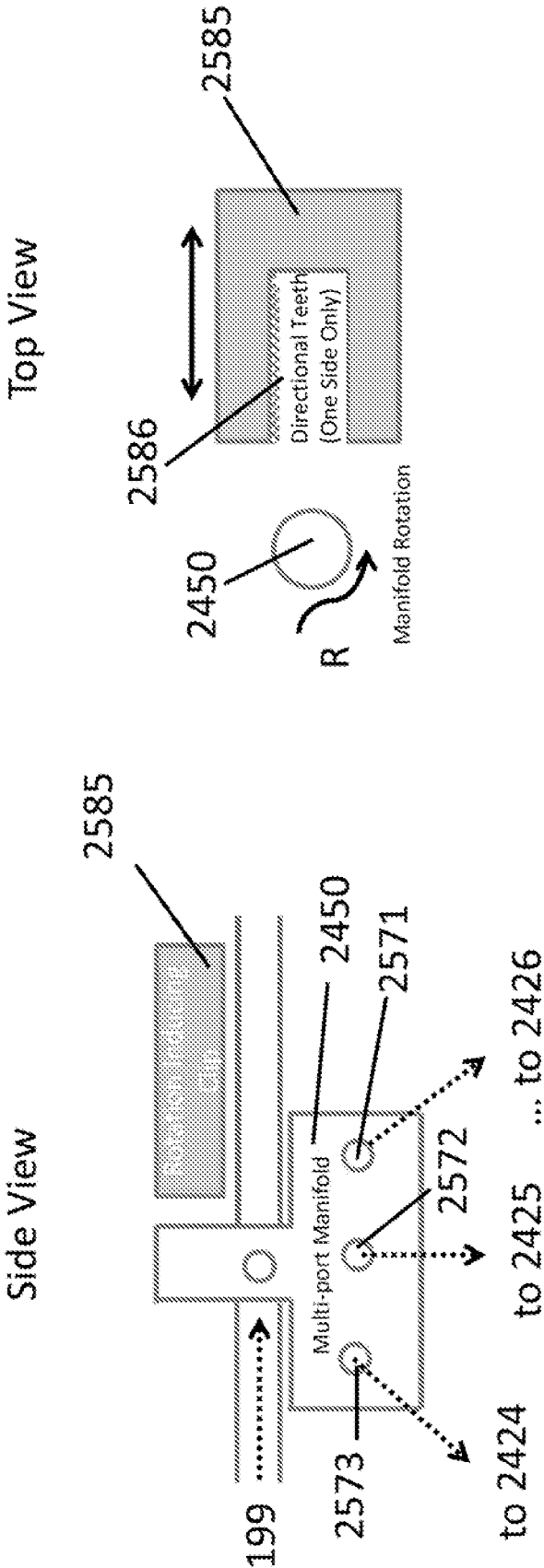


FIGURE 25A Rotating Manifold FIGURE 25B



Fluid may be fed to various tubes depending on the rotational position of the multi-port manifold

The rotation inducing clip is actuated (left or right) magnetically. It twists the rotating manifold only in one direction due to the directional "teeth". These "teeth" or "fins" may also be on the rotating manifold shaft.

Magnetic Poppet Safety Stop Valve Cross Section Views

FIGURE 26A

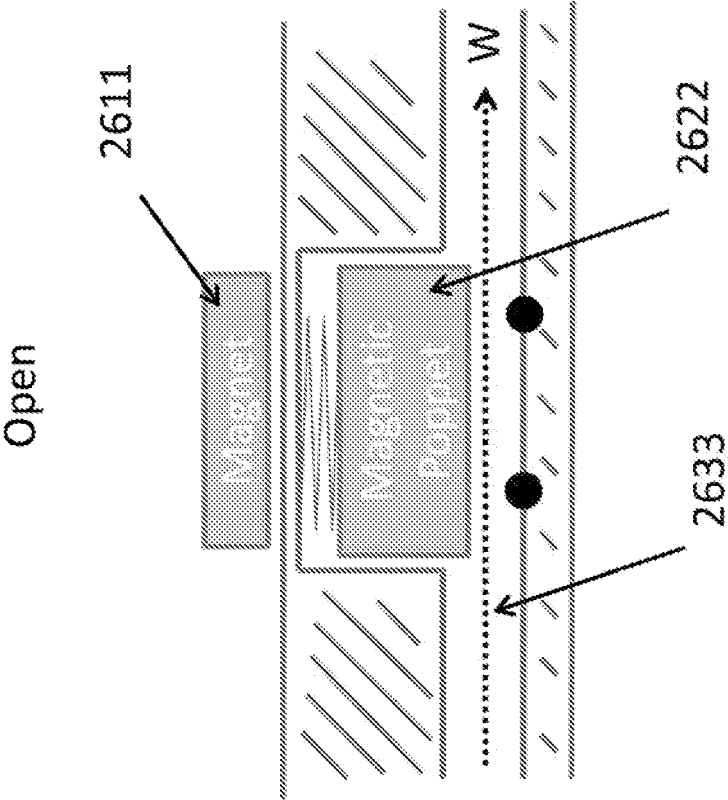


FIGURE 26B

