

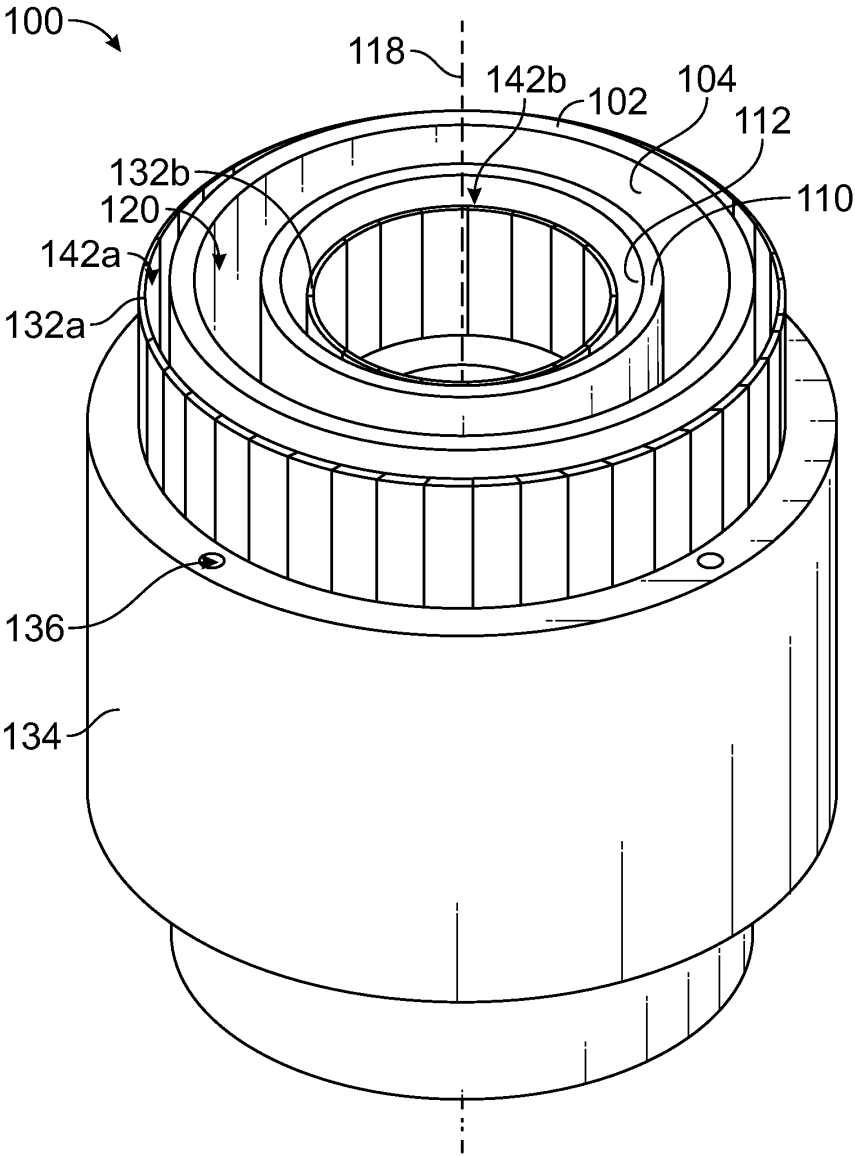


FIG. 1

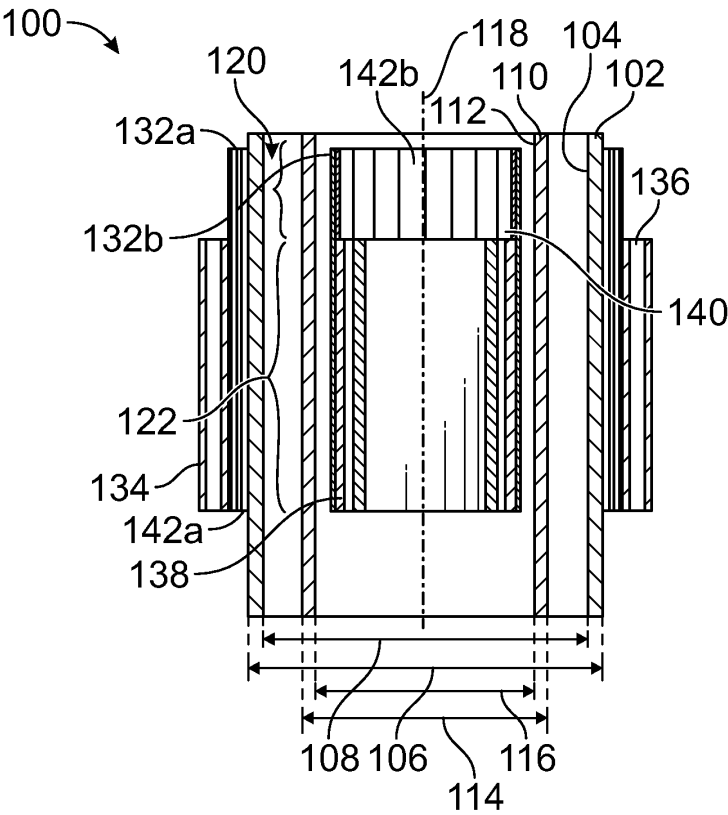


FIG. 2

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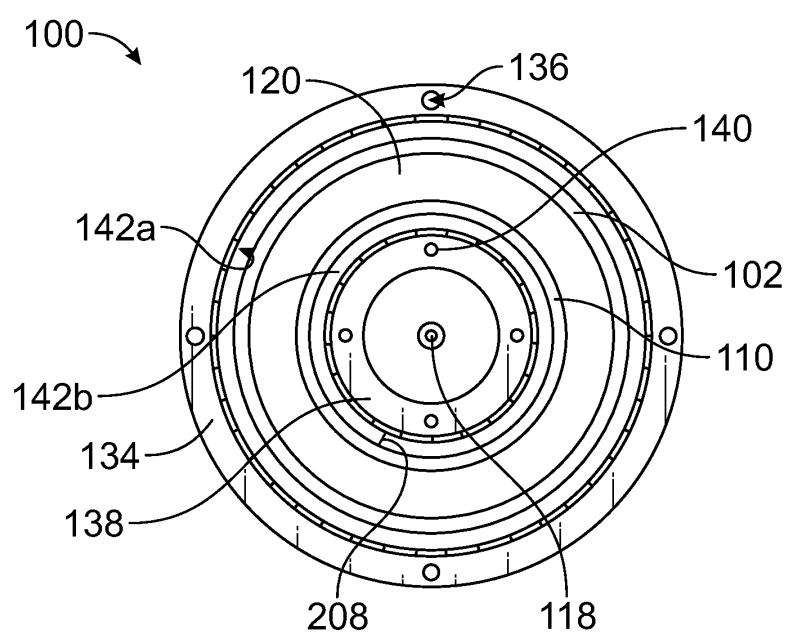


FIG. 3

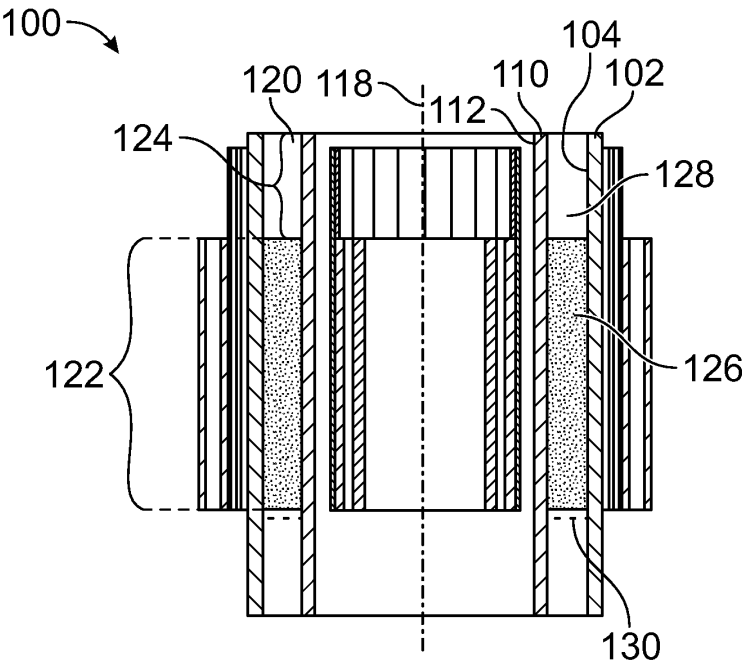


FIG. 4

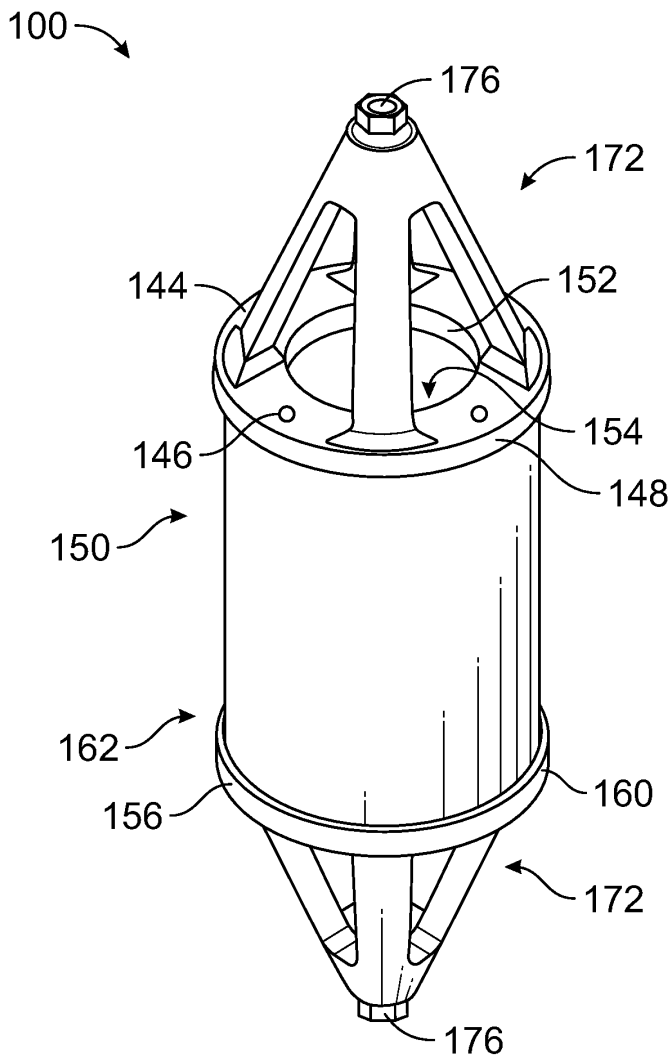


FIG. 5

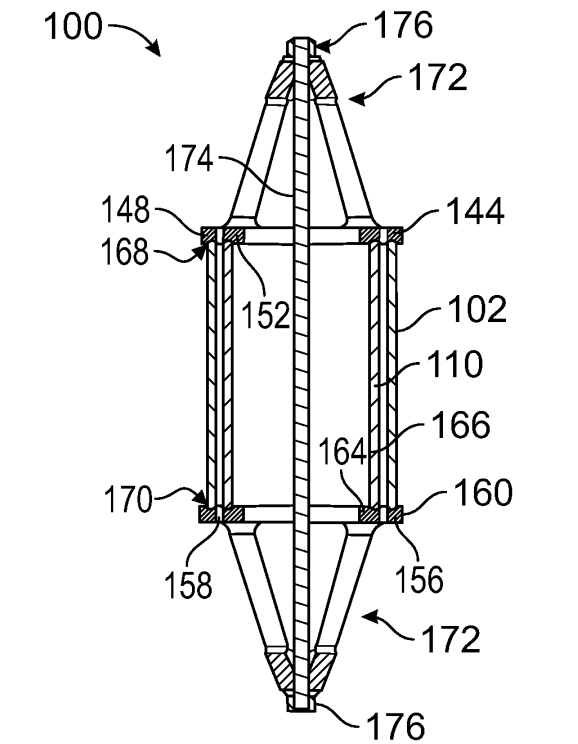


FIG. 6

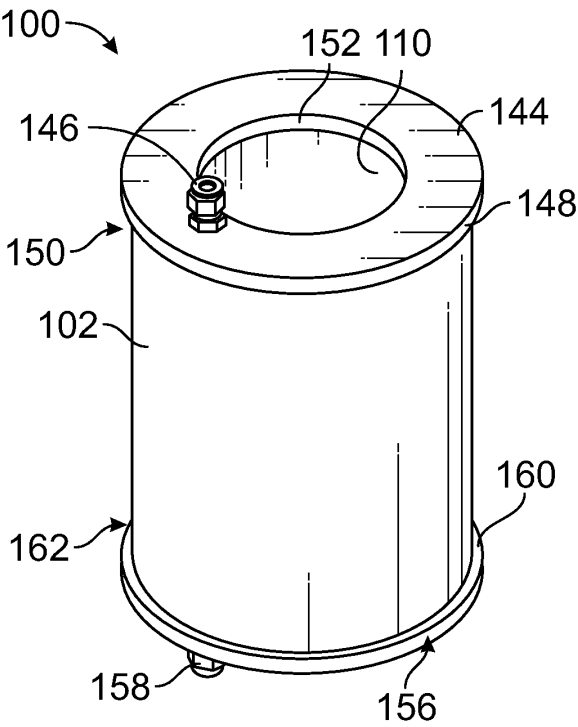


FIG. 7

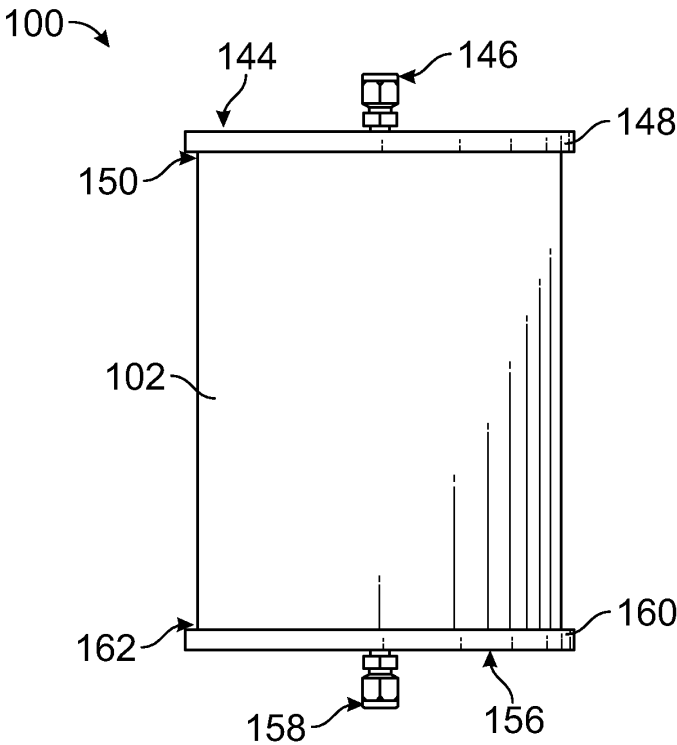


FIG. 8

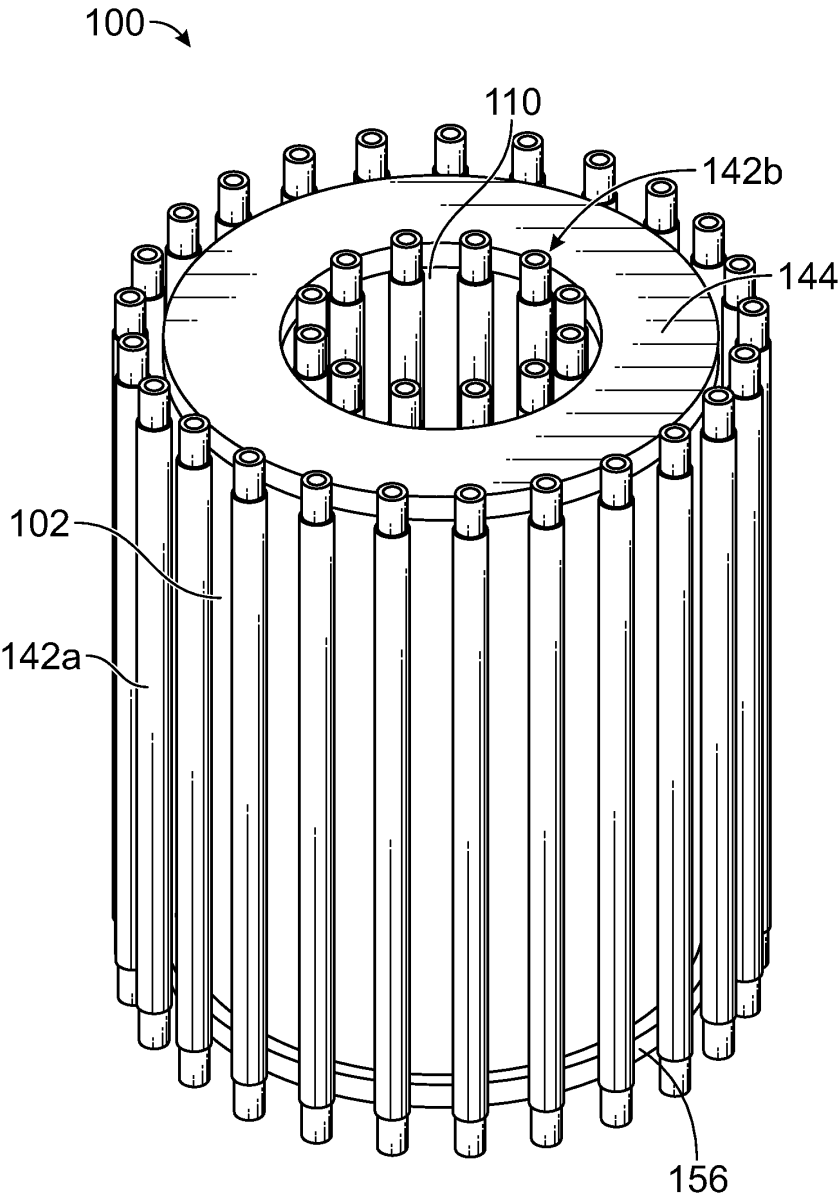


FIG. 9

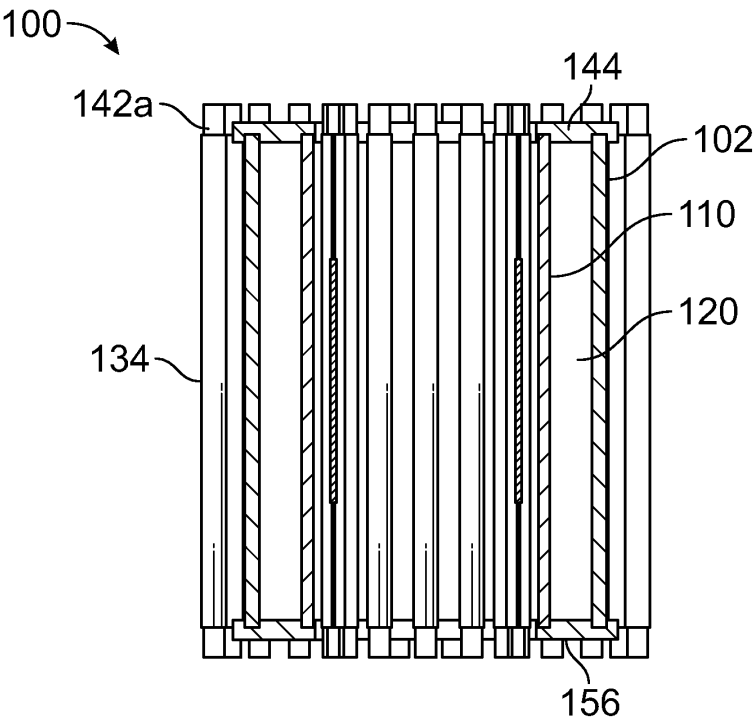


FIG. 10

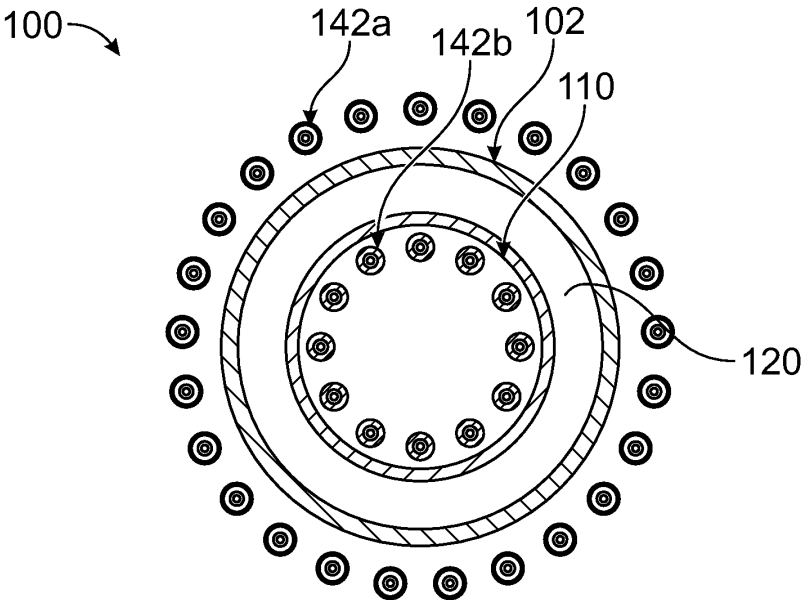


FIG. 11

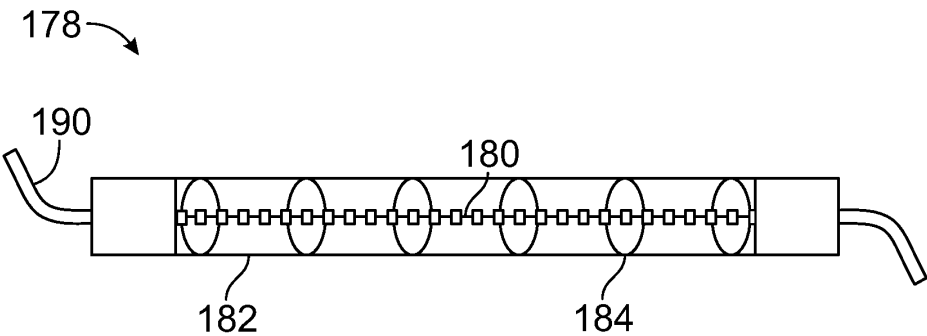


FIG. 12

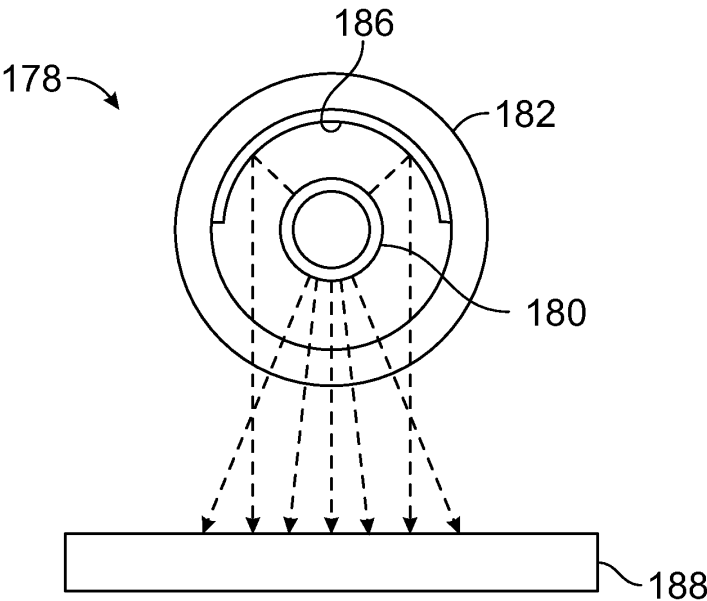


FIG. 13

|                                                | Short-Wave<br>High-Intensity | Medium-Wave<br>Medium-Intensity | Long-Wave<br>Low-Intensity |
|------------------------------------------------|------------------------------|---------------------------------|----------------------------|
| Radiant Source Temperature                     | 4000 - 2175°F                | 2175 - 857°F                    | 857 - 400°F                |
| Peak Wavelength Range, μm                      | 1.2 - 2.0                    | 2.0 - 4.0                       | 4.0 - 6.0                  |
| Watt Density, W/in <sup>2</sup>                | Typical -60<br>Max. -1200    | Typical -30<br>Max. -80         | Typical -15<br>Max. -40    |
| Direct Radiation as<br>Percent of Input Energy | 86 - 78%                     | 60 - 40%                        | 50 - 20%                   |

FIG. 14

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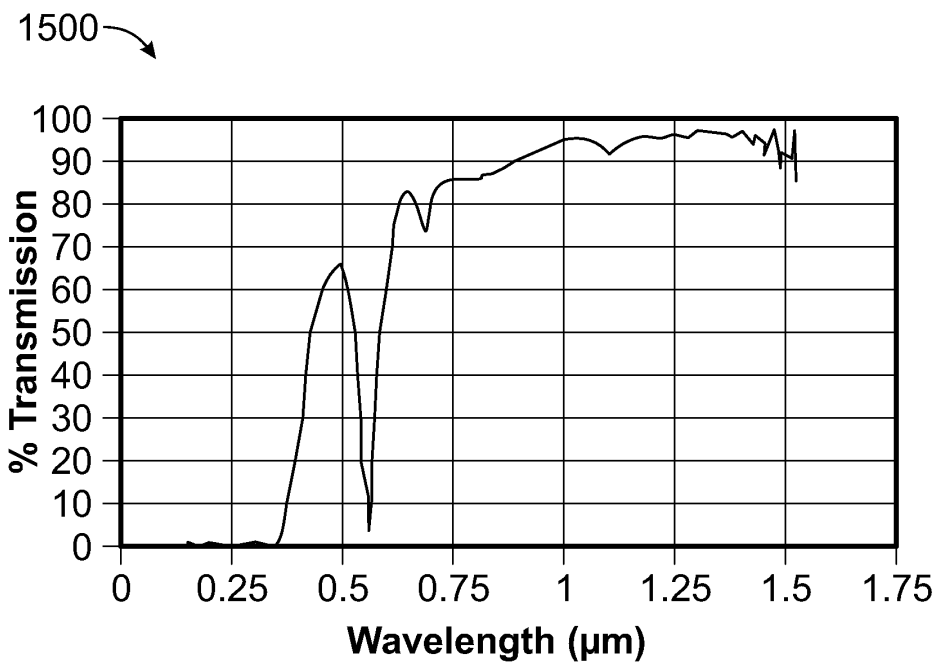


FIG. 15

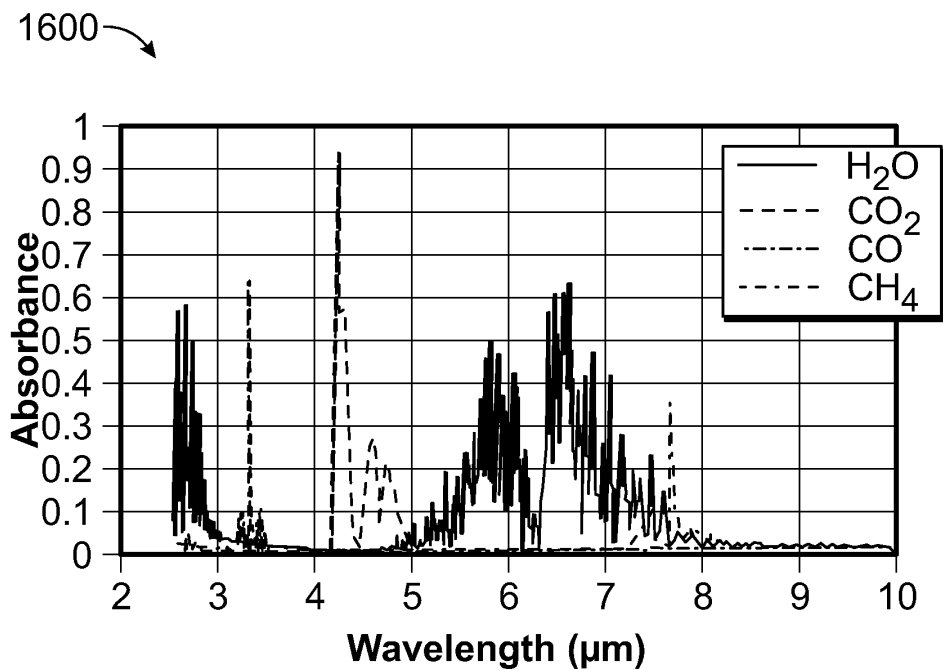


FIG. 16

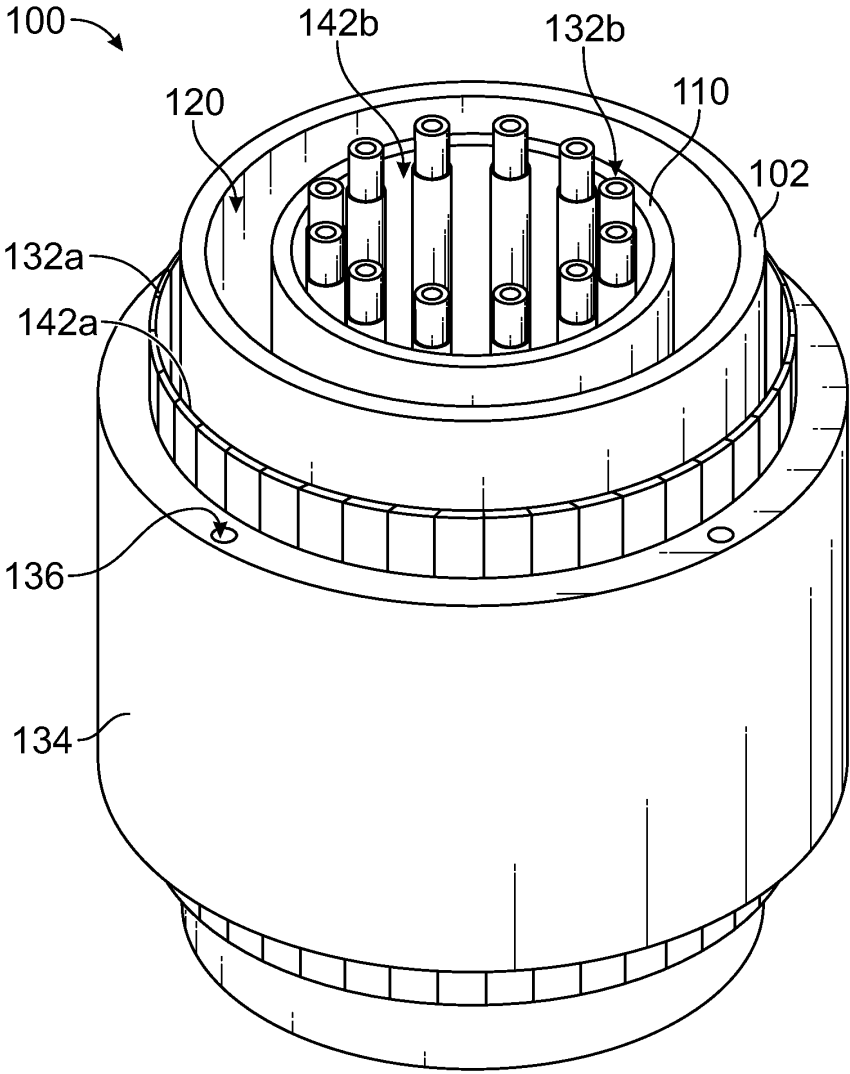


FIG. 17

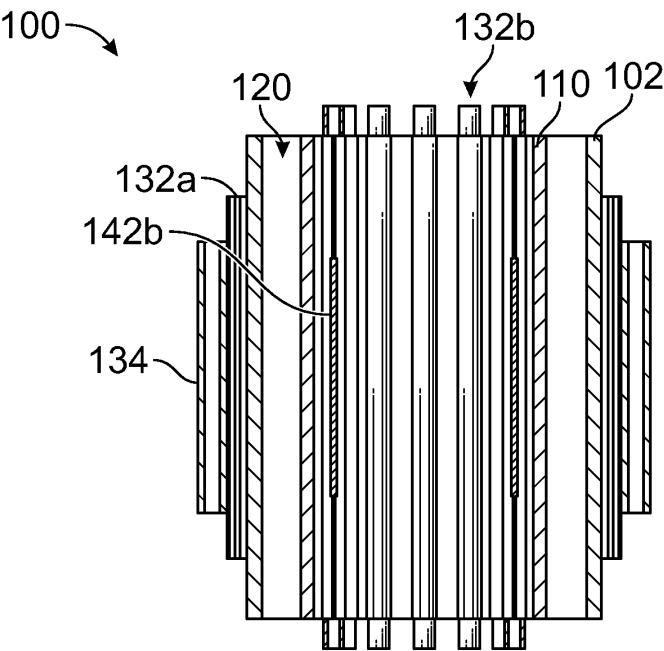


FIG. 18

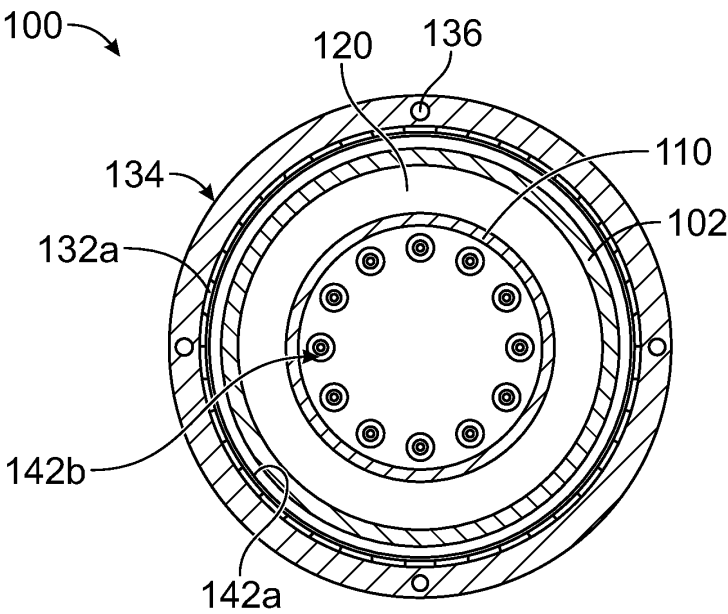


FIG. 19

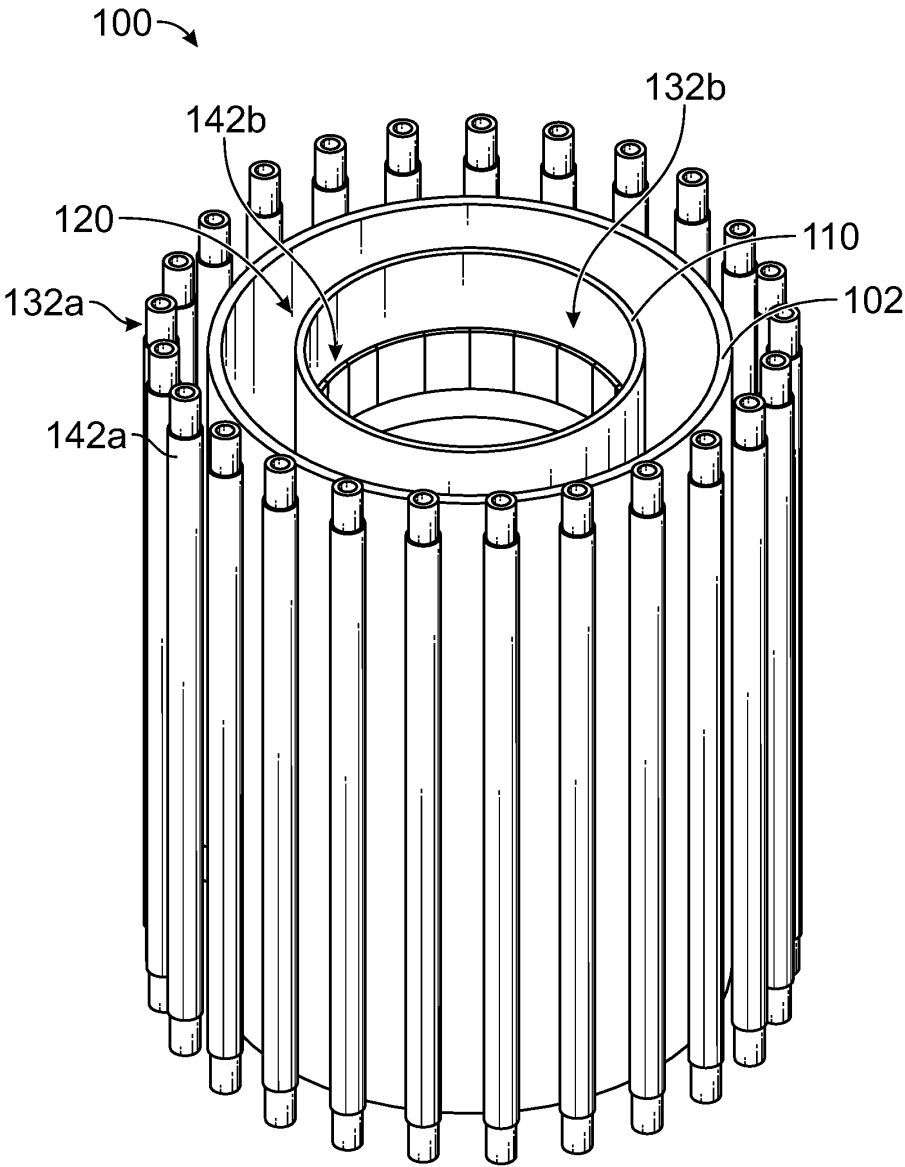


FIG. 20

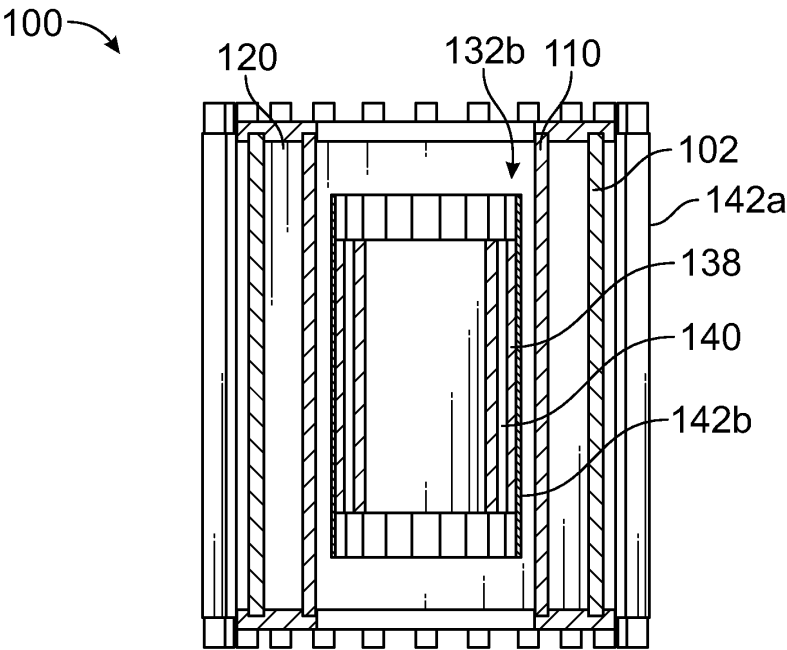


FIG. 21

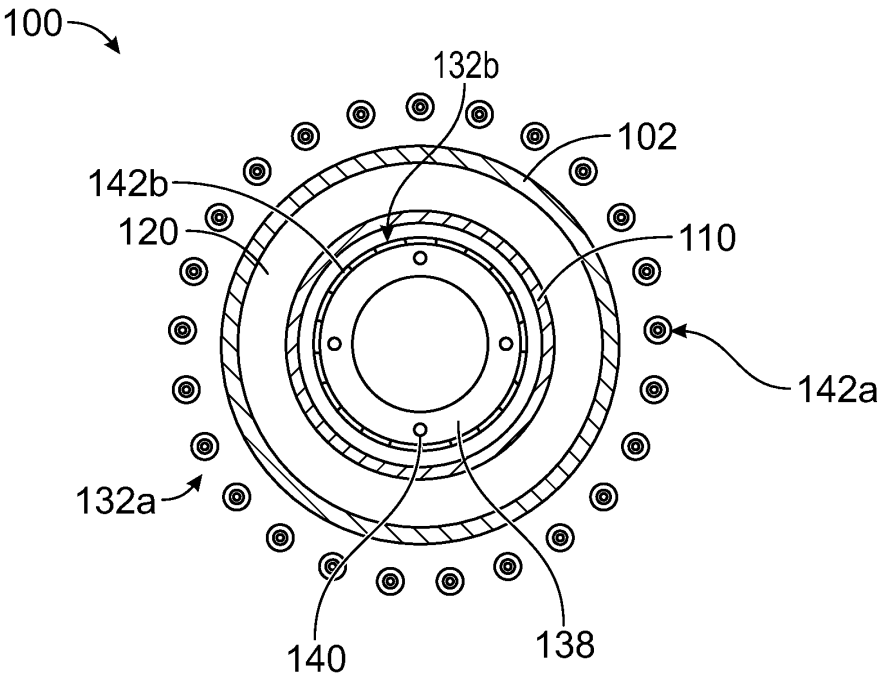


FIG. 22

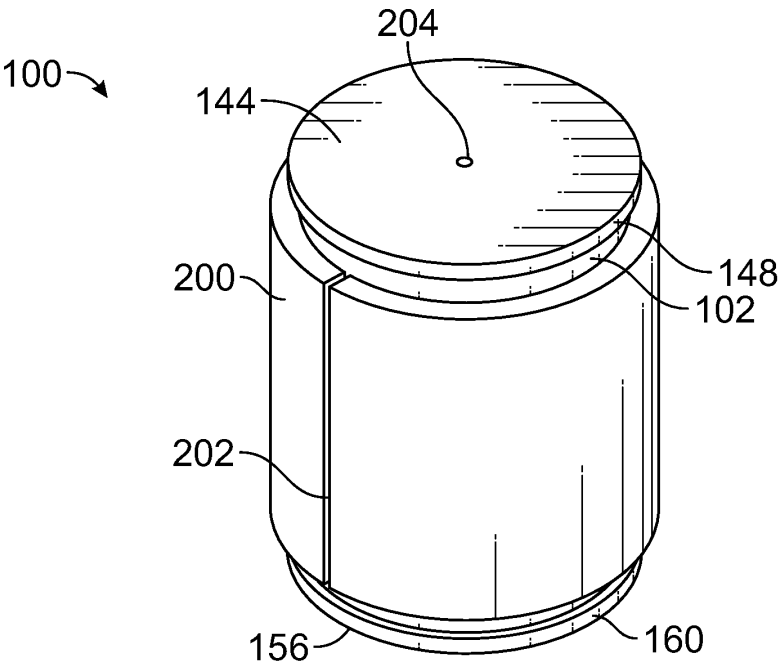


FIG. 23

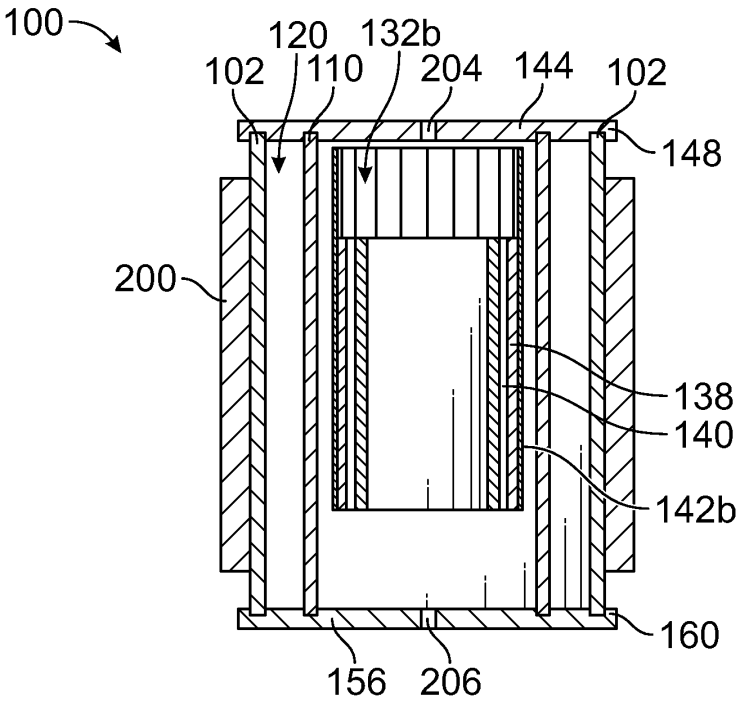


FIG. 24

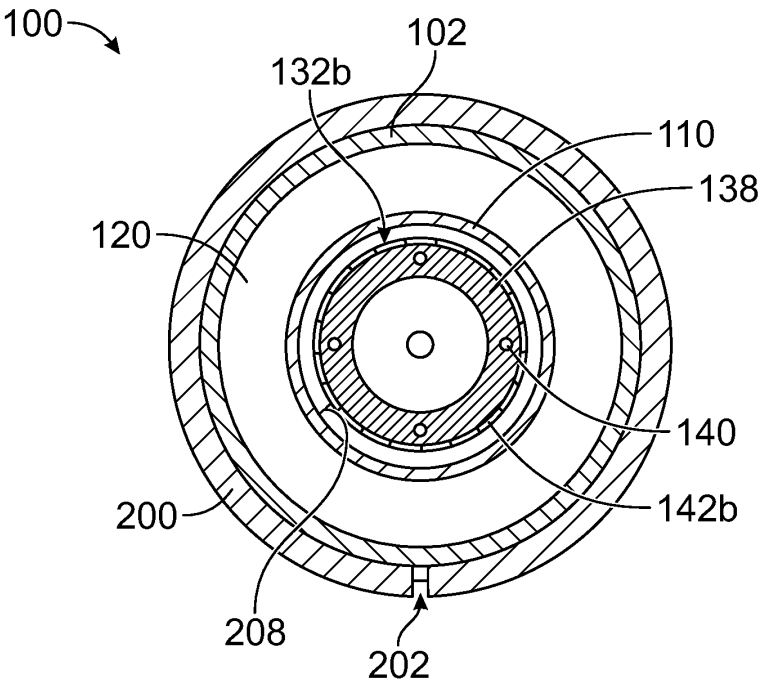


FIG. 25

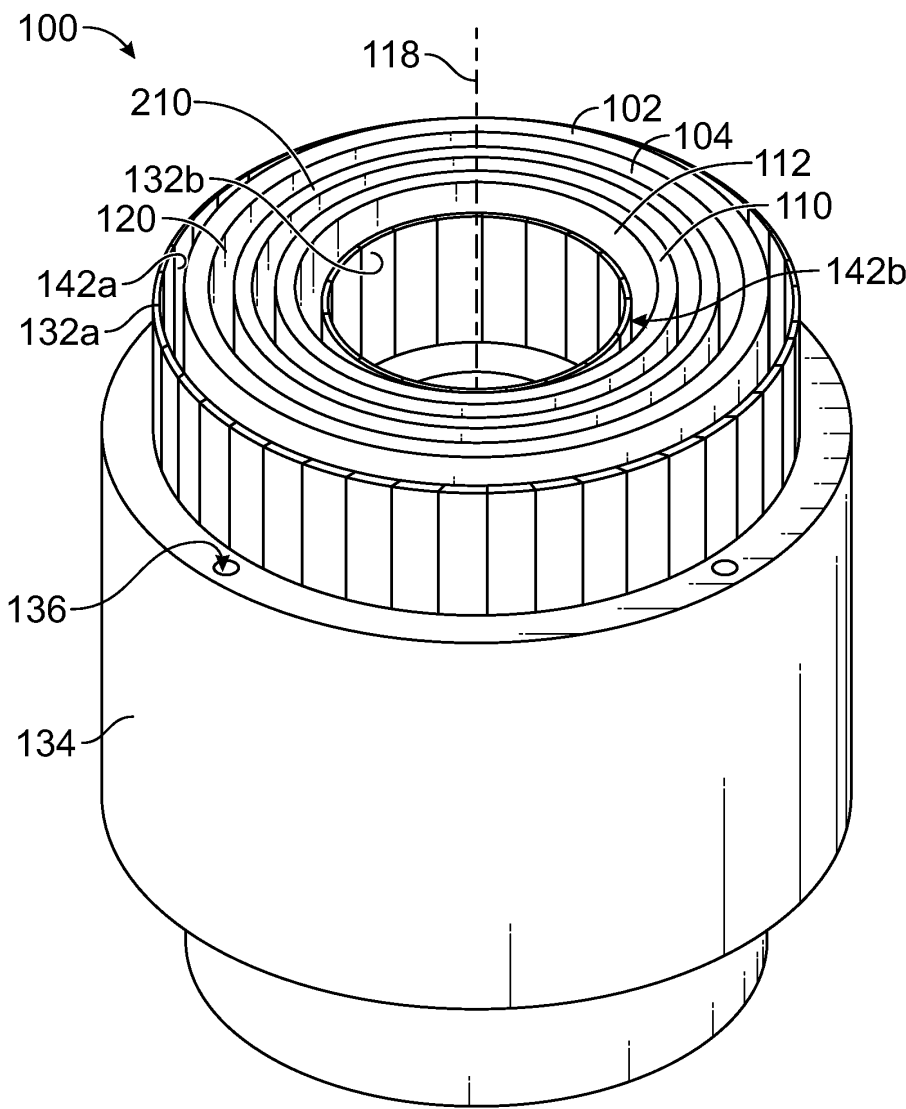


FIG. 26

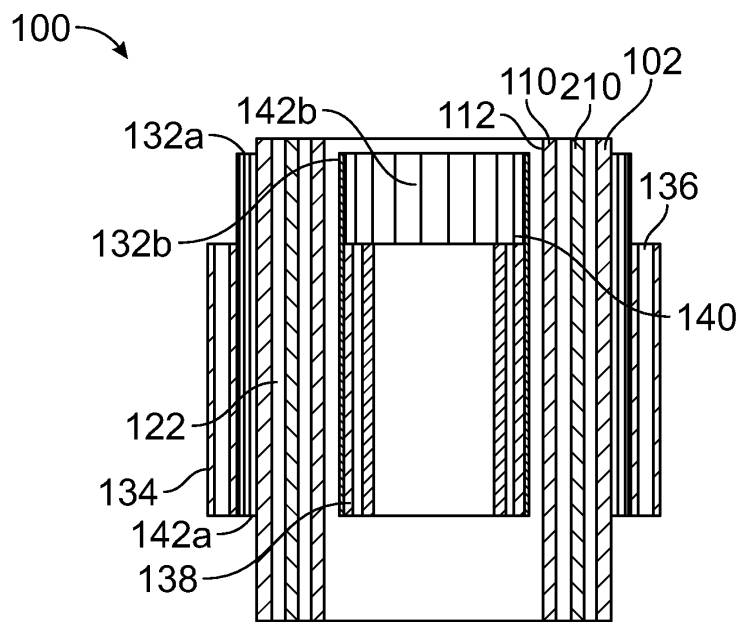


FIG. 27

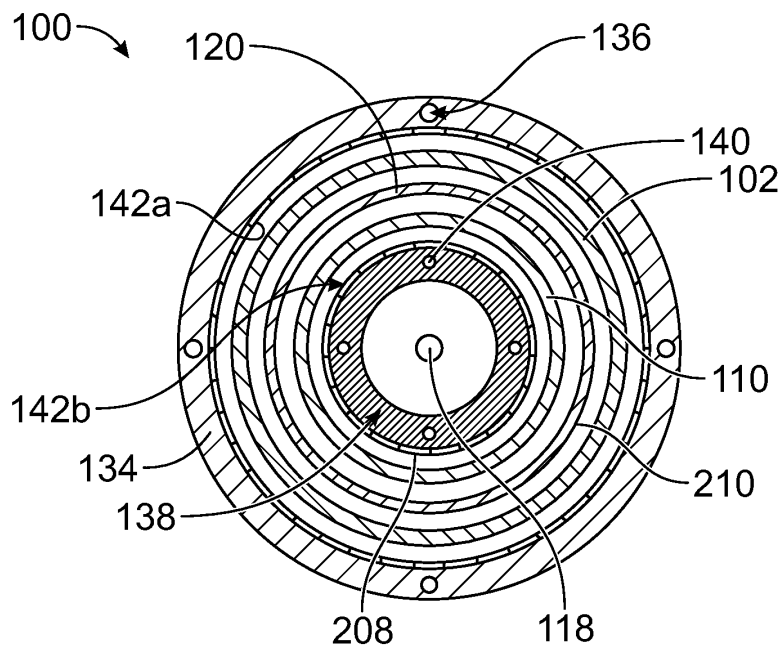


FIG. 28

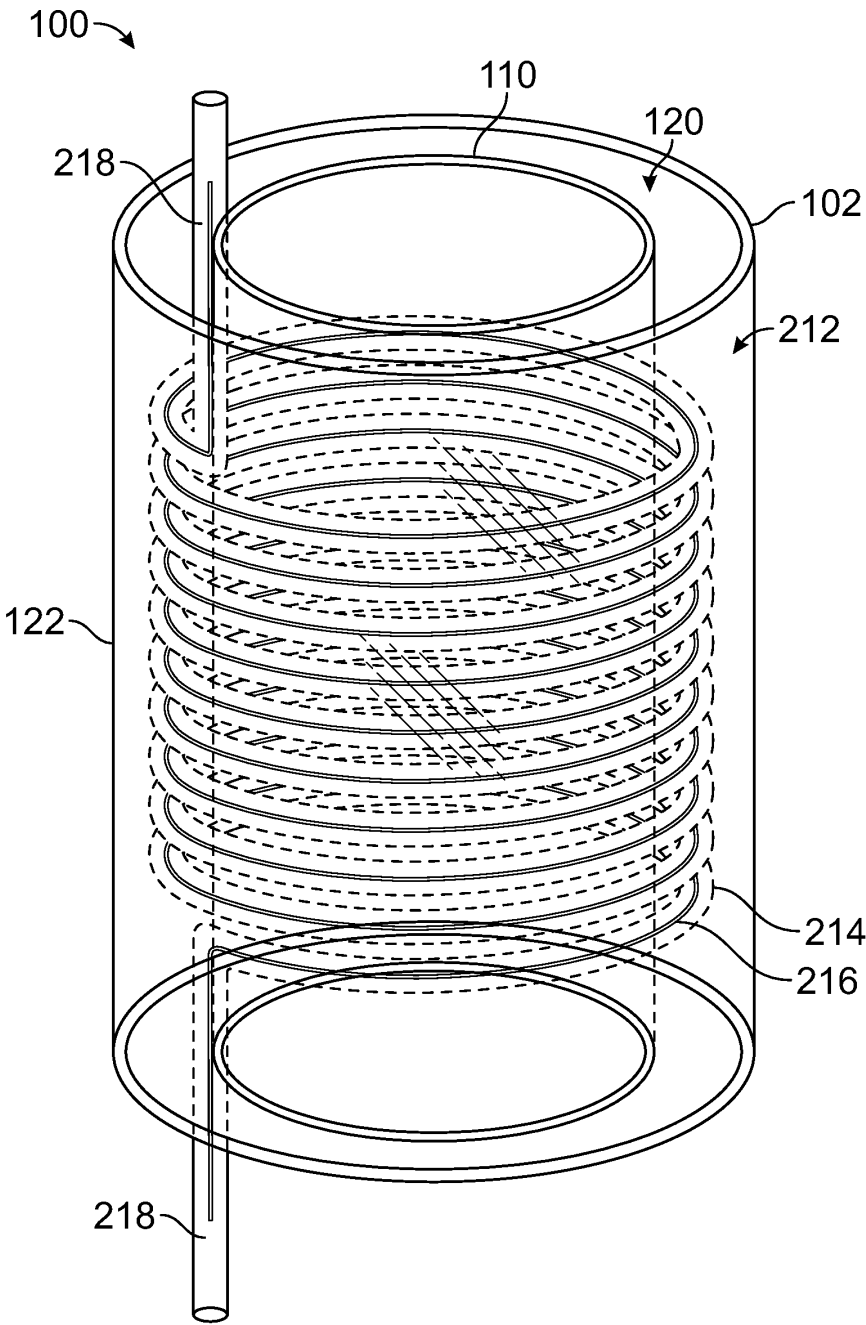


FIG. 29

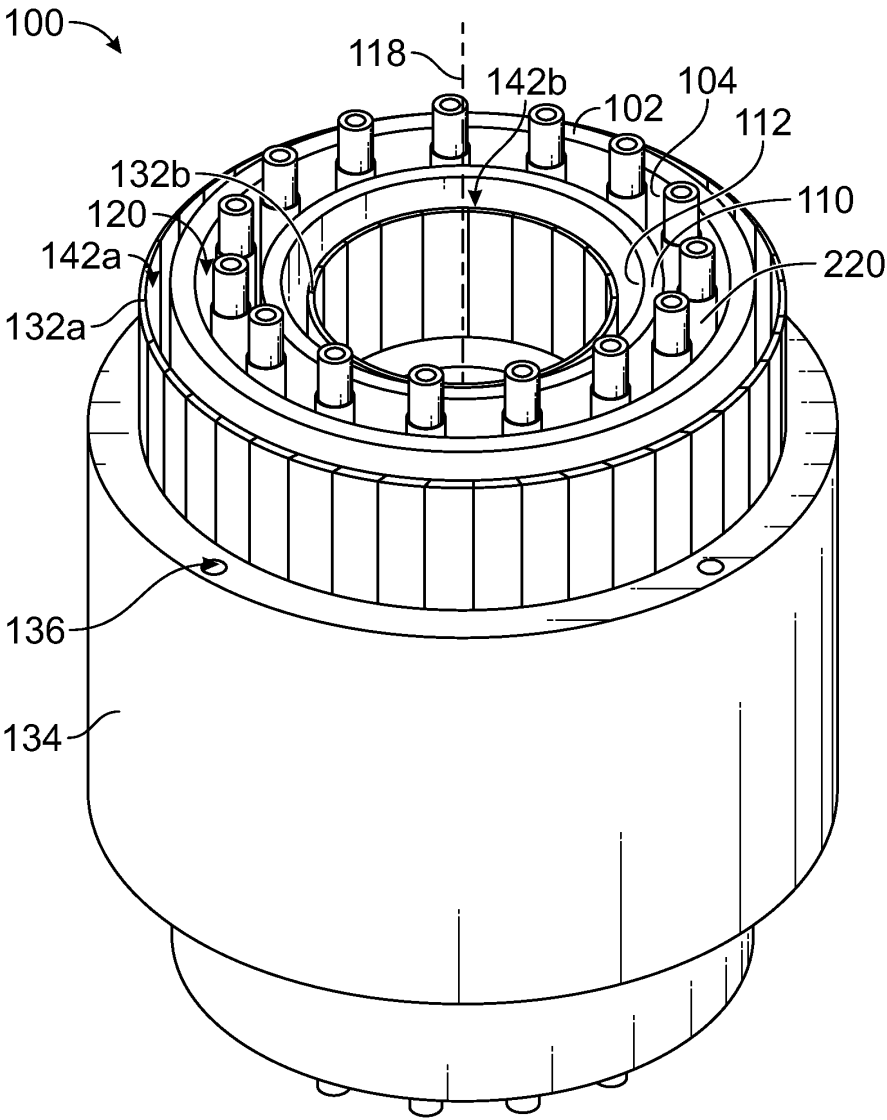


FIG. 30

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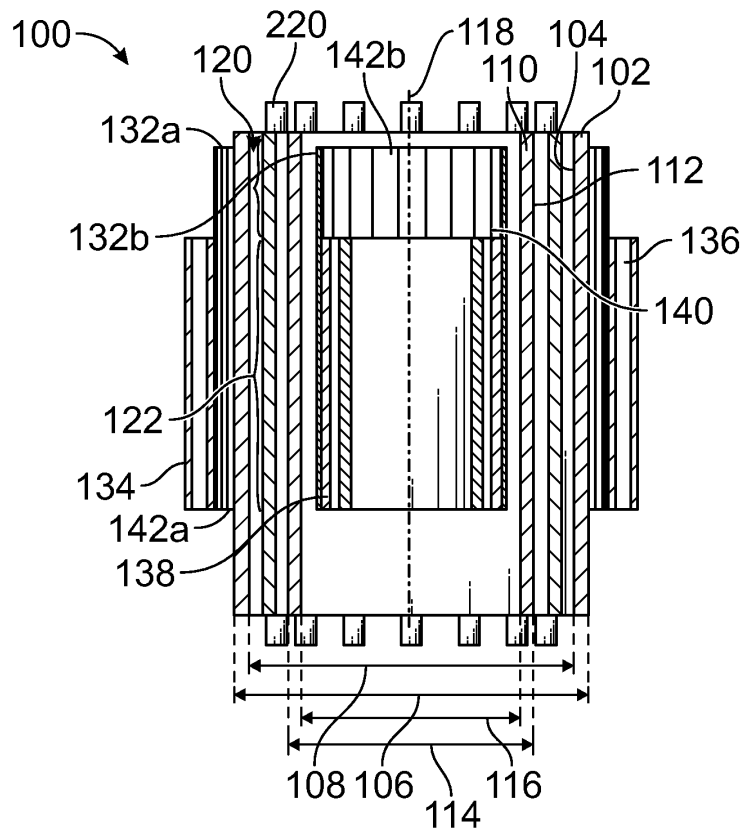


FIG. 31

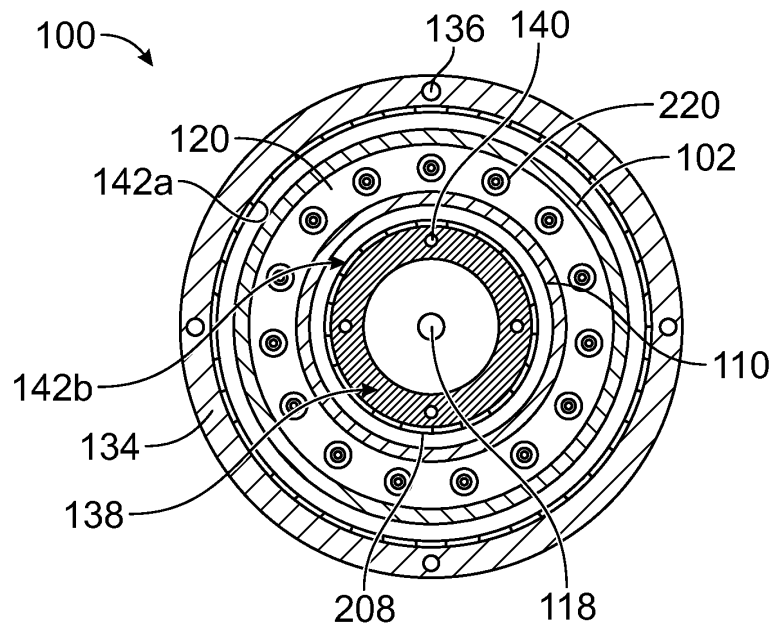


FIG. 32

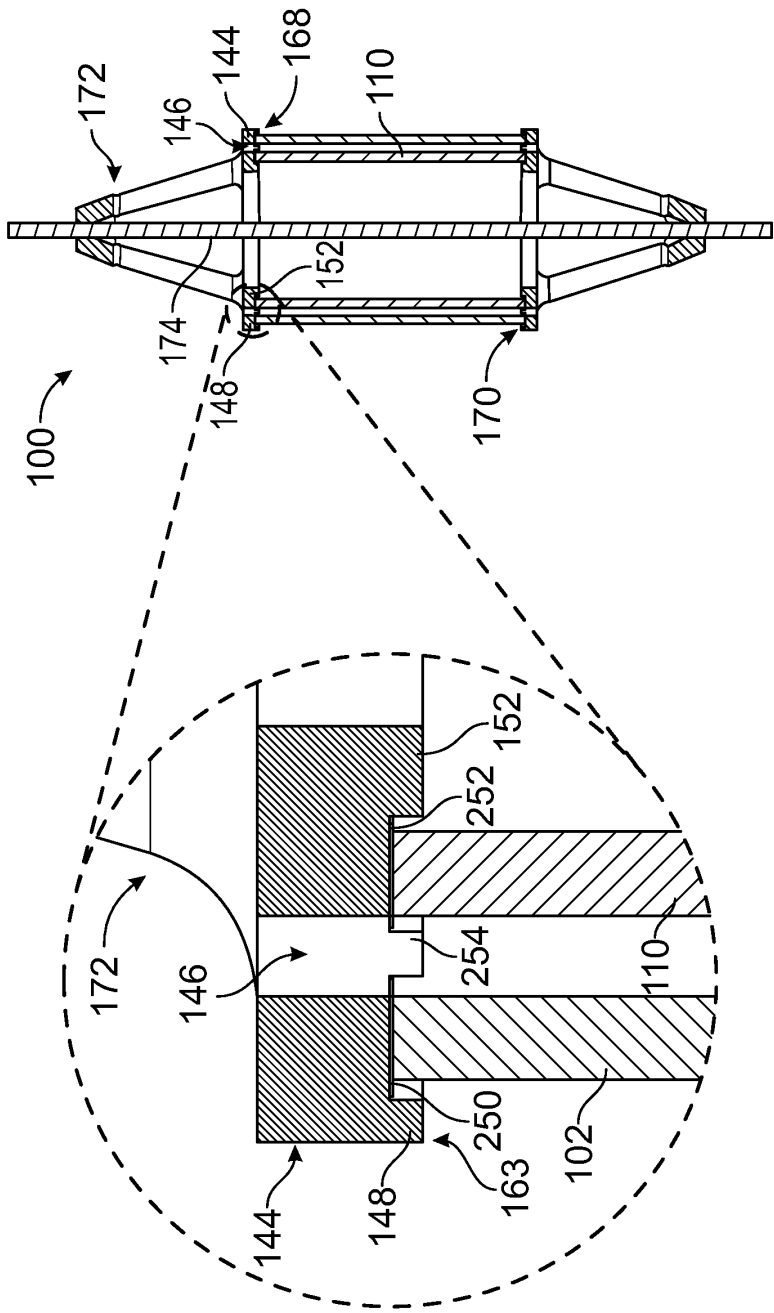


FIG. 33

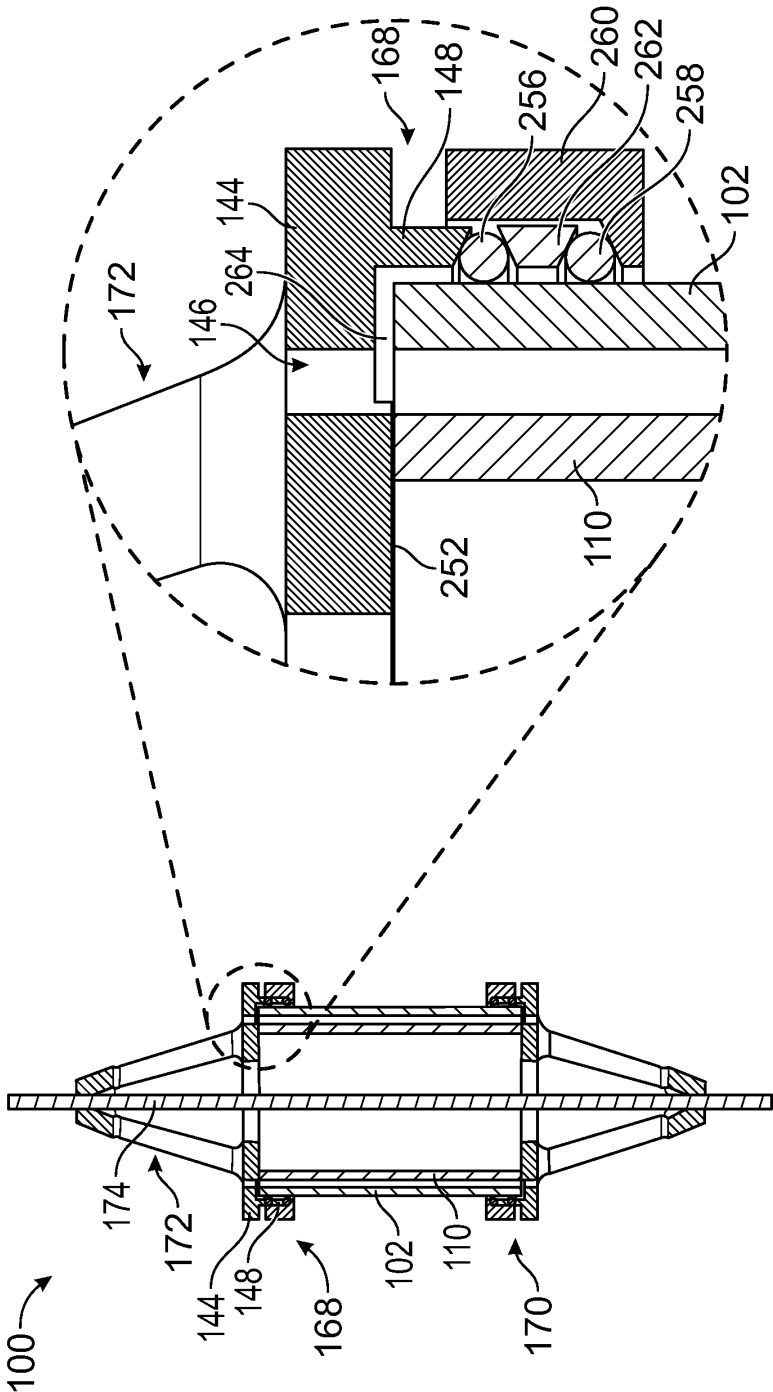
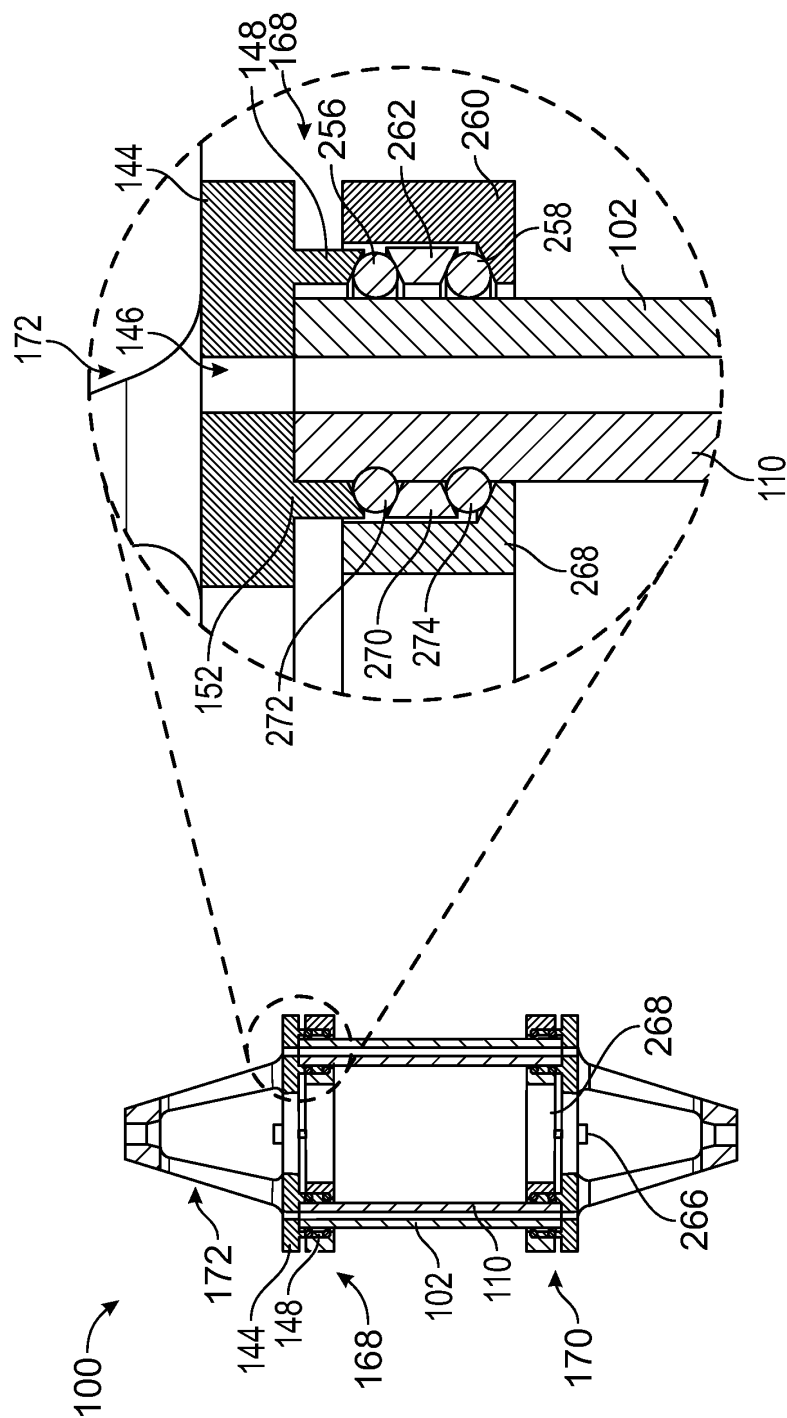


FIG. 34

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**FIG. 35**