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(54) **TRI-LEAFLET PROSTHETIC HEART VALVE**

**Related U.S. Application Data**

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(57) **ABSTRACT**

A prosthetic heart valve includes a first upper frame portion and a stent frame connected to the first upper frame portion via at least two stent frame extensions. The stent frame includes a base and at least two stent posts extending upwardly from the base towards the first upper frame portion. The first upper frame portion, the base, and the at least two stent posts each has an inner surface and an outer surface. The prosthetic heart valve also includes at least one sheet of leaflet material configured to encircle the stent frame and weave through the stent frame between the first upper frame portion and the base.

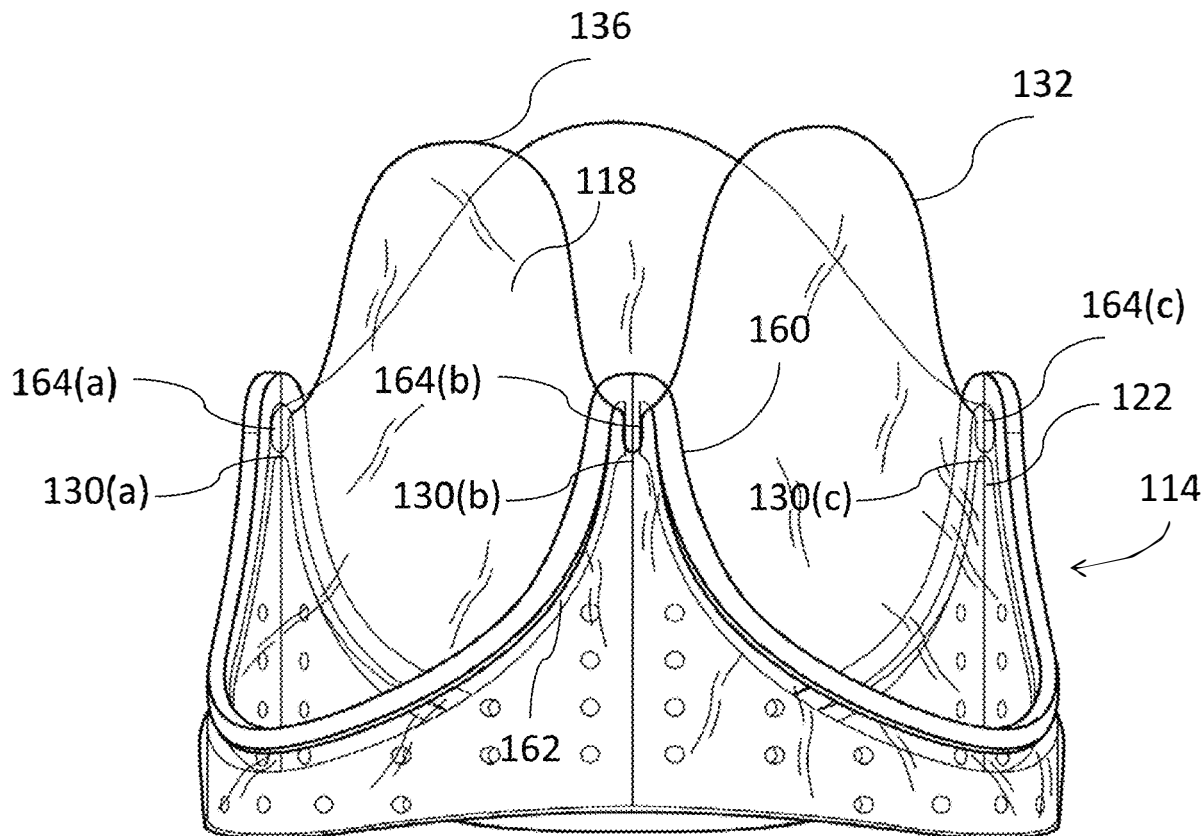
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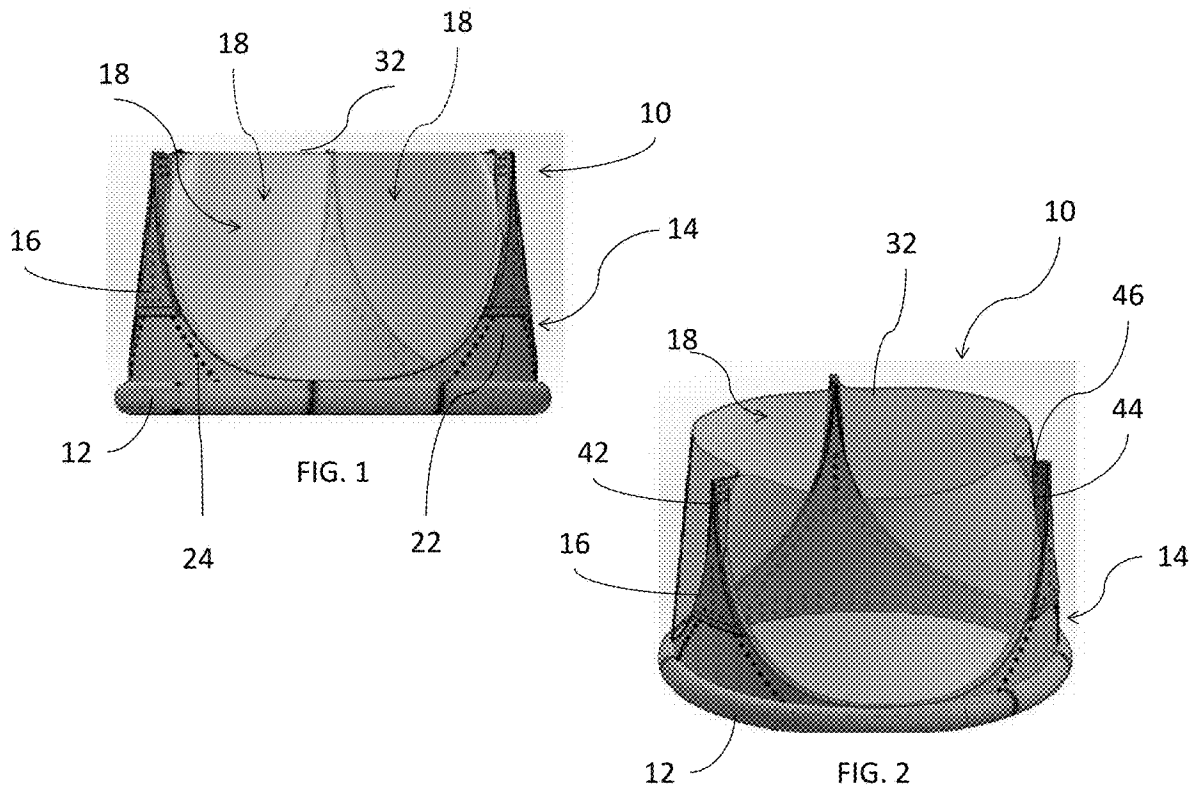
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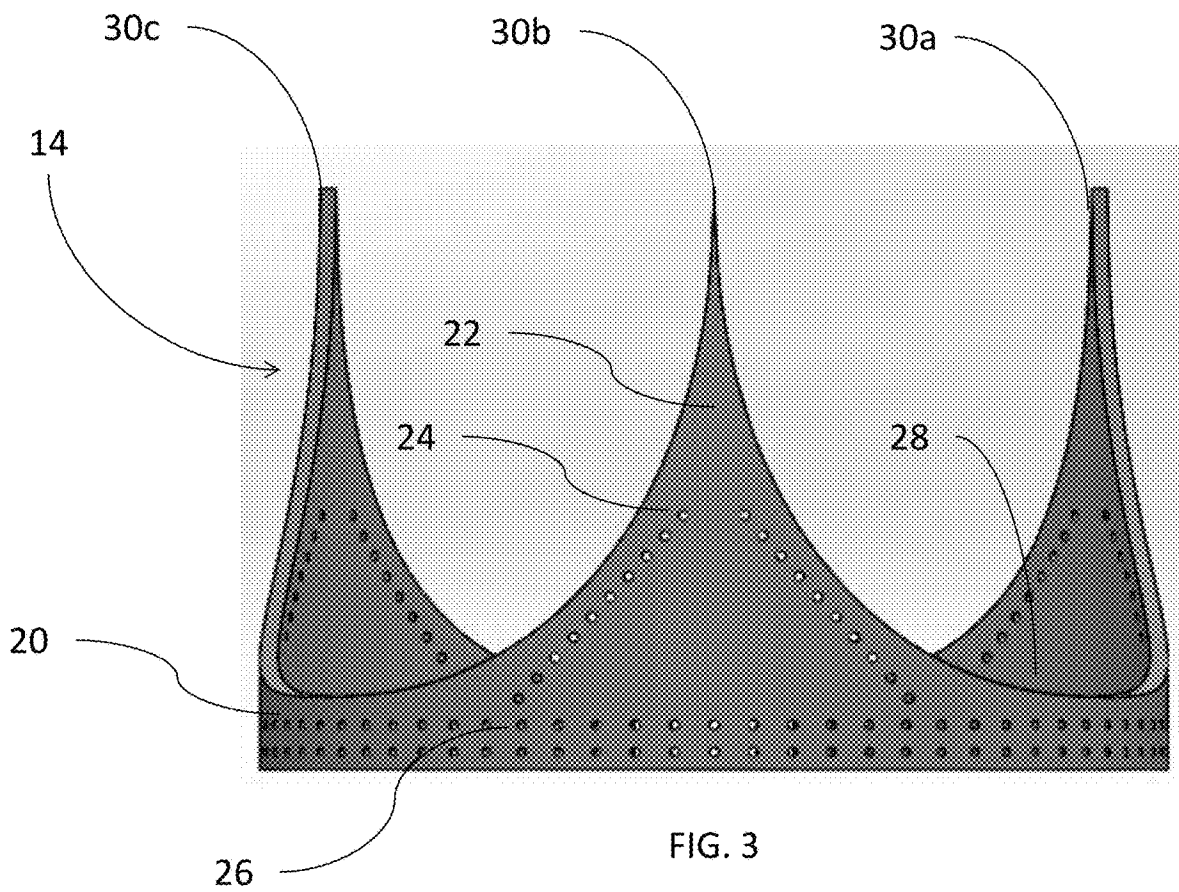


FIG. 3

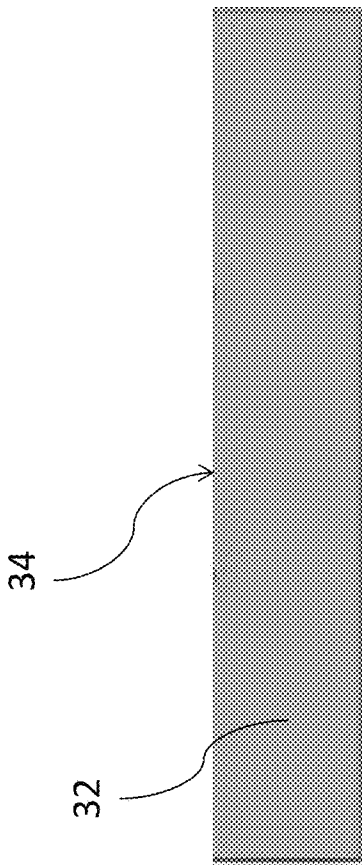


FIG. 4

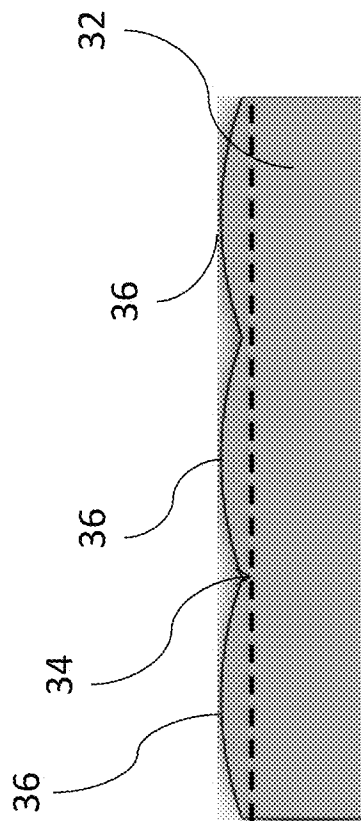
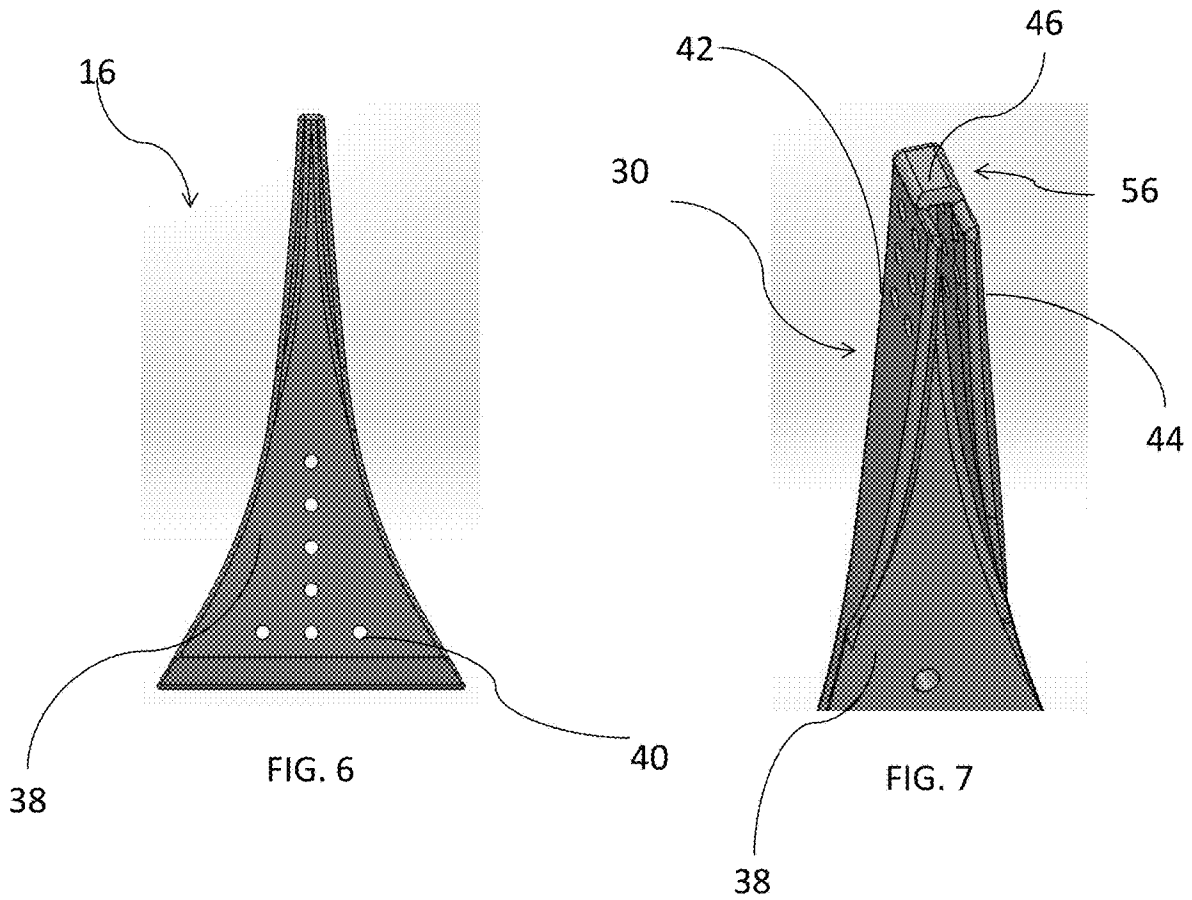


FIG. 5



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