

The schematic diagram illustrates a mechanical assembly 100. A horizontal member 30 is connected to a vertical member 200 at its left end. The horizontal member 30 has a downward-pointing arrow labeled II and a rightward-pointing arrow labeled L. The vertical member 200 has a downward-pointing arrow labeled F1. A dashed box 100 encloses a portion of the assembly, showing a cross-section of a joint. This joint includes a component 20, which is secured by a bolt 12. Below component 20 is another component 11, which is also secured by a bolt 12. A dashed line P indicates a plane of symmetry or a specific interface. The angle between the horizontal member 30 and the vertical member 200 is denoted as θ . Other components shown include 13, 131, 132, 14, and 15.

FIG. 1 shows two cross-sectional views of a circular device. (a) shows a device 100 with a central cavity, an inner ring 11, an outer ring 13, and four radial spokes 14. A layer L is on the outer surface. (b) shows a device 2002 with a similar structure but with a different spoke configuration, including a spoke 11A and a layer L.

FIG. 3

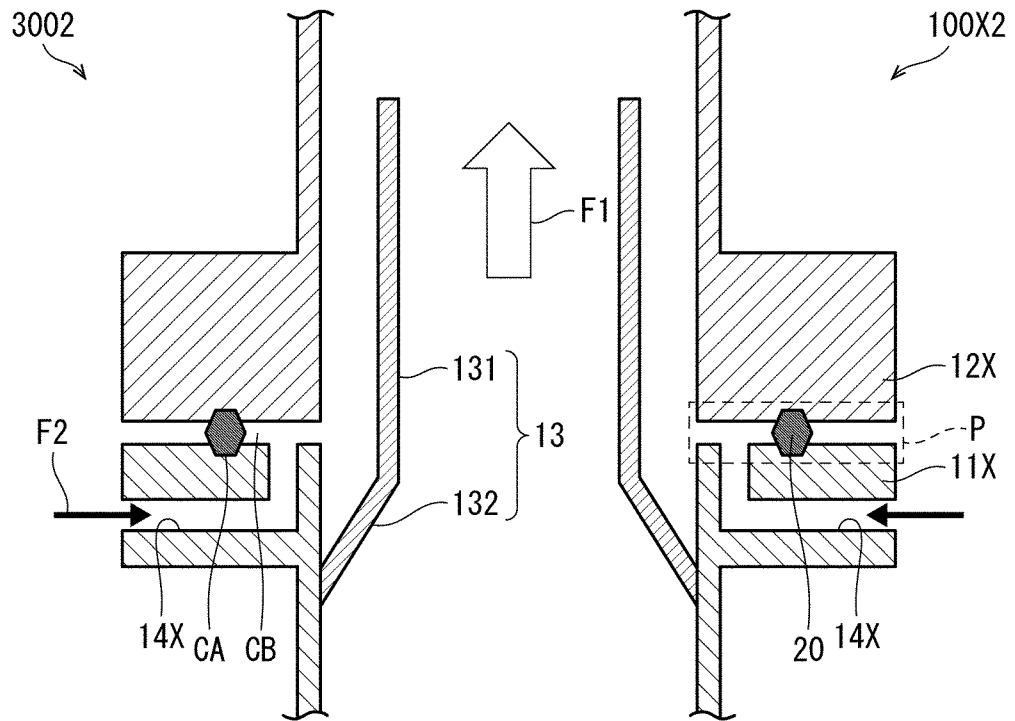
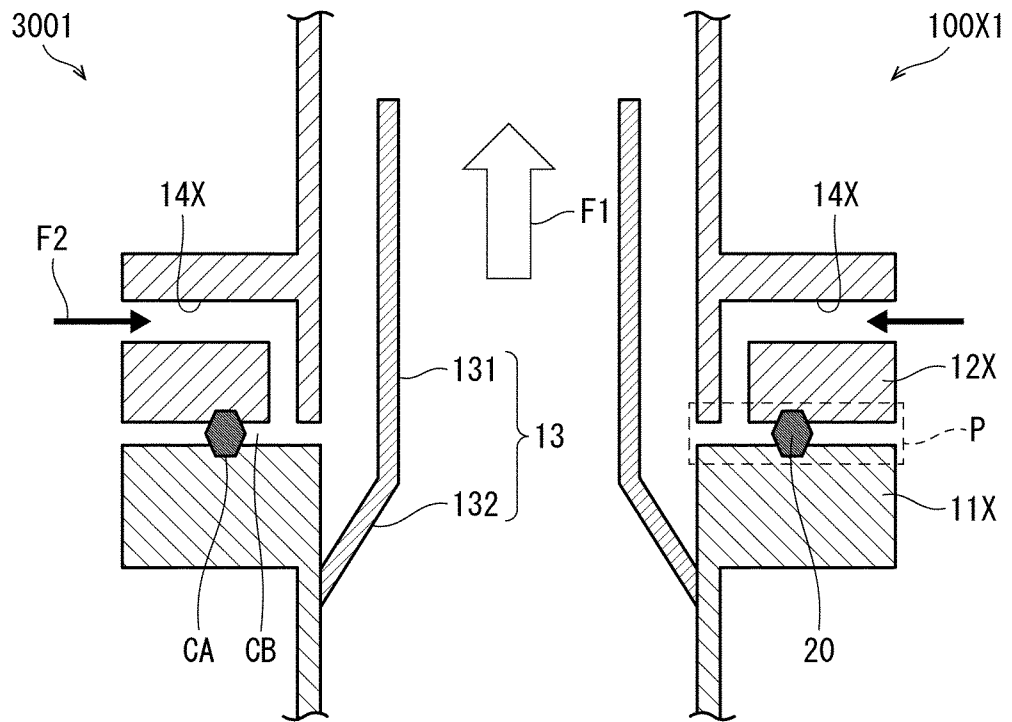


FIG. 4

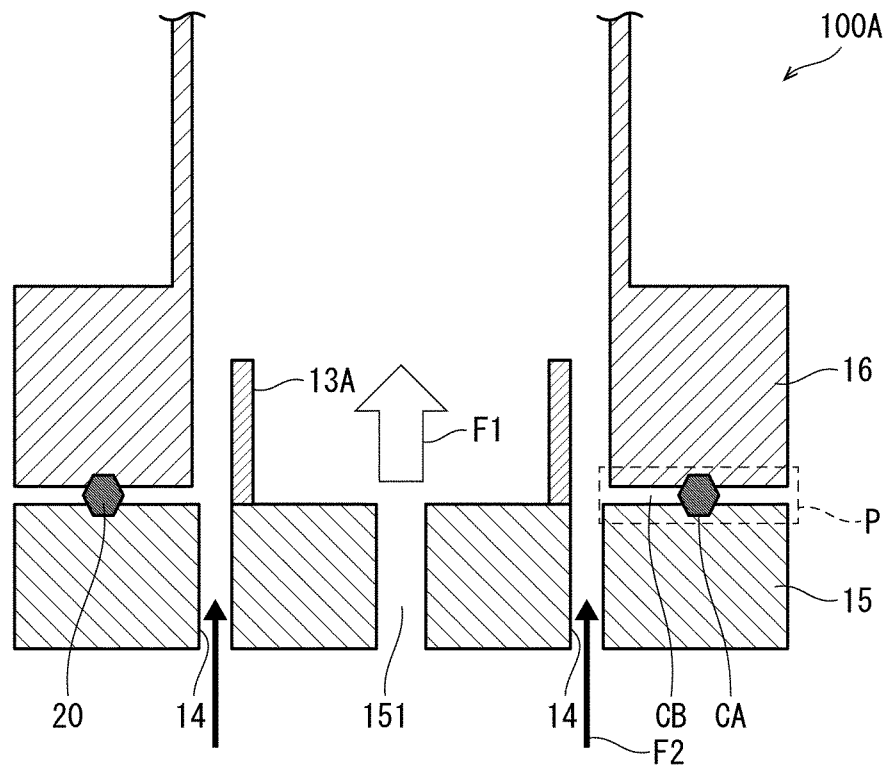


FIG. 5

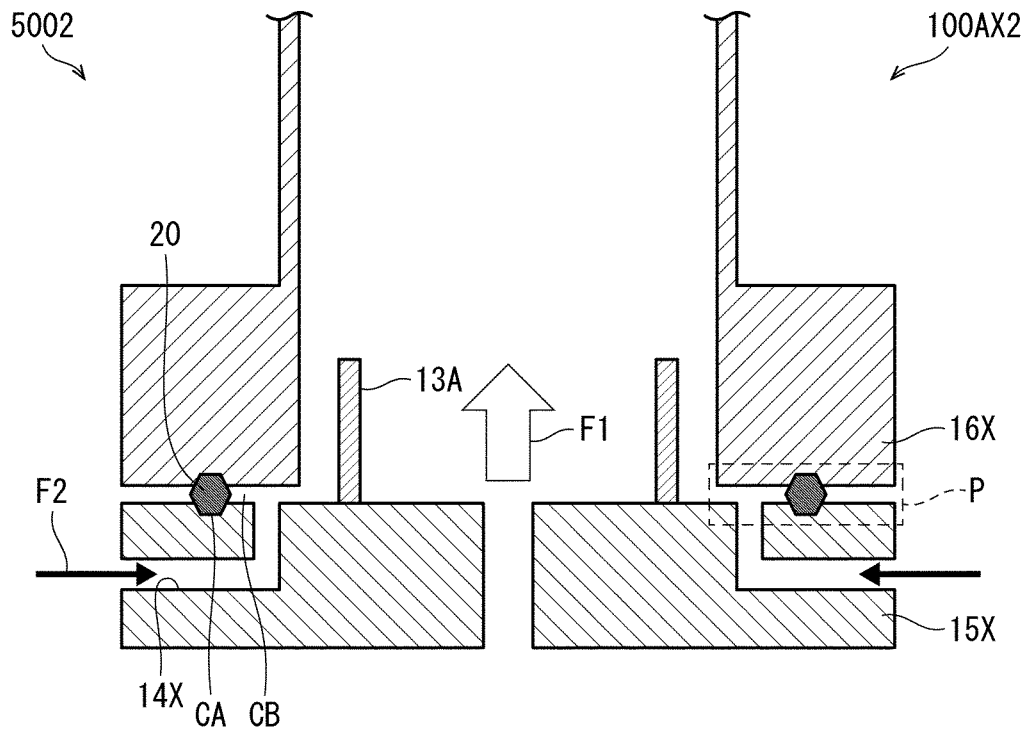
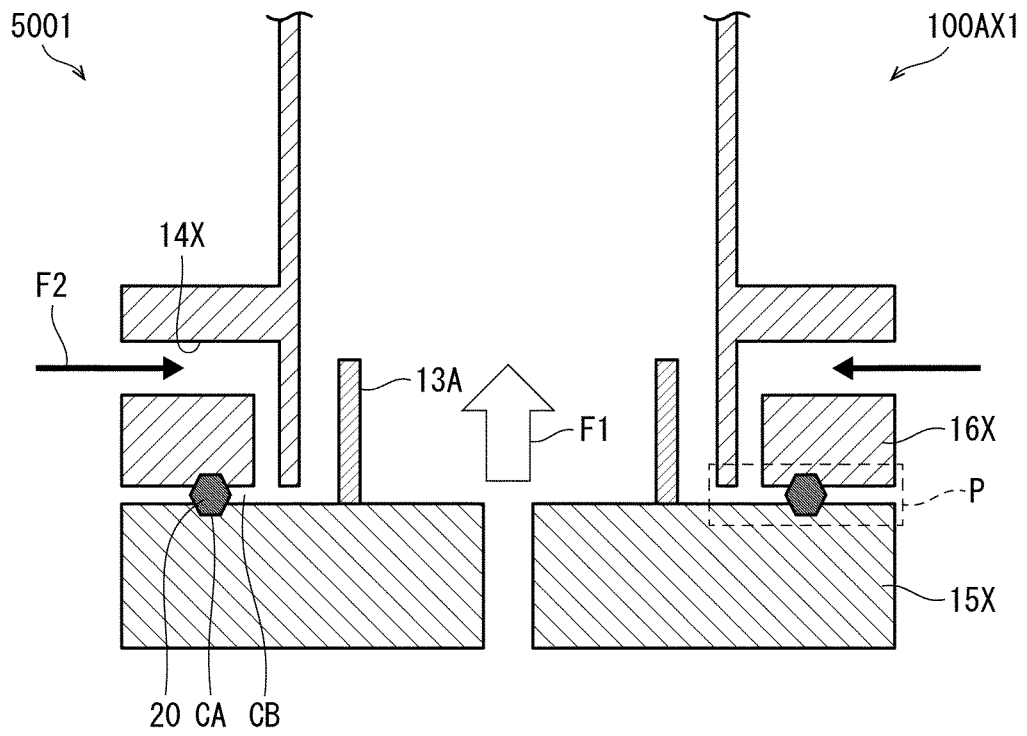


FIG. 6

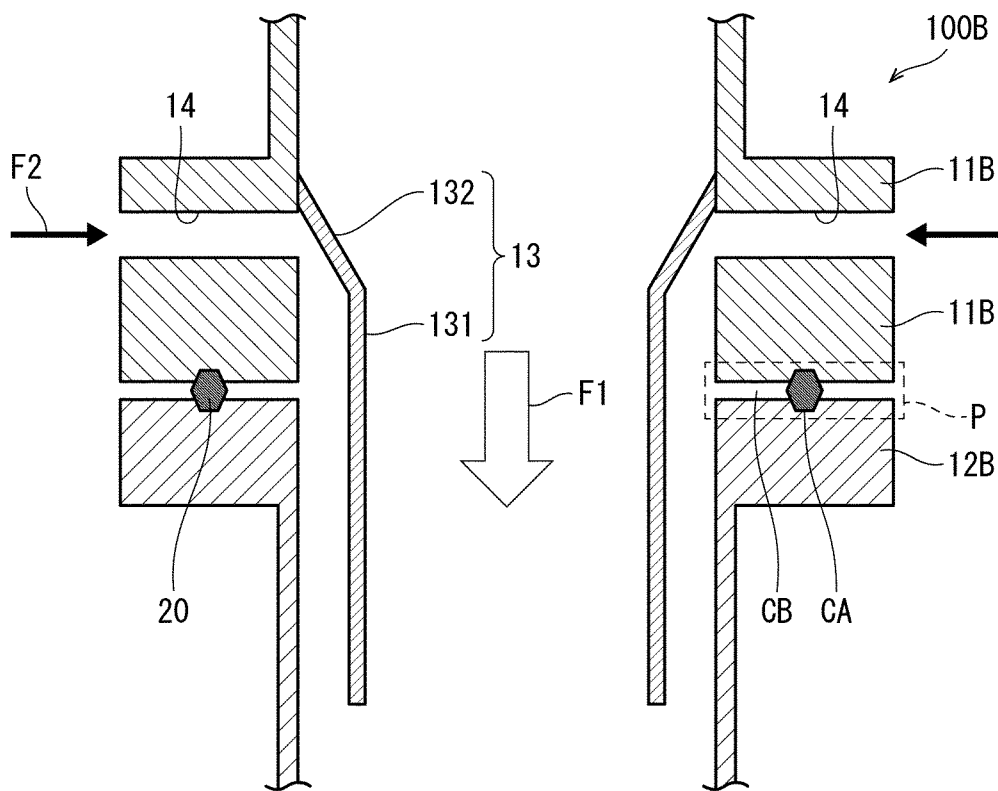


FIG. 7

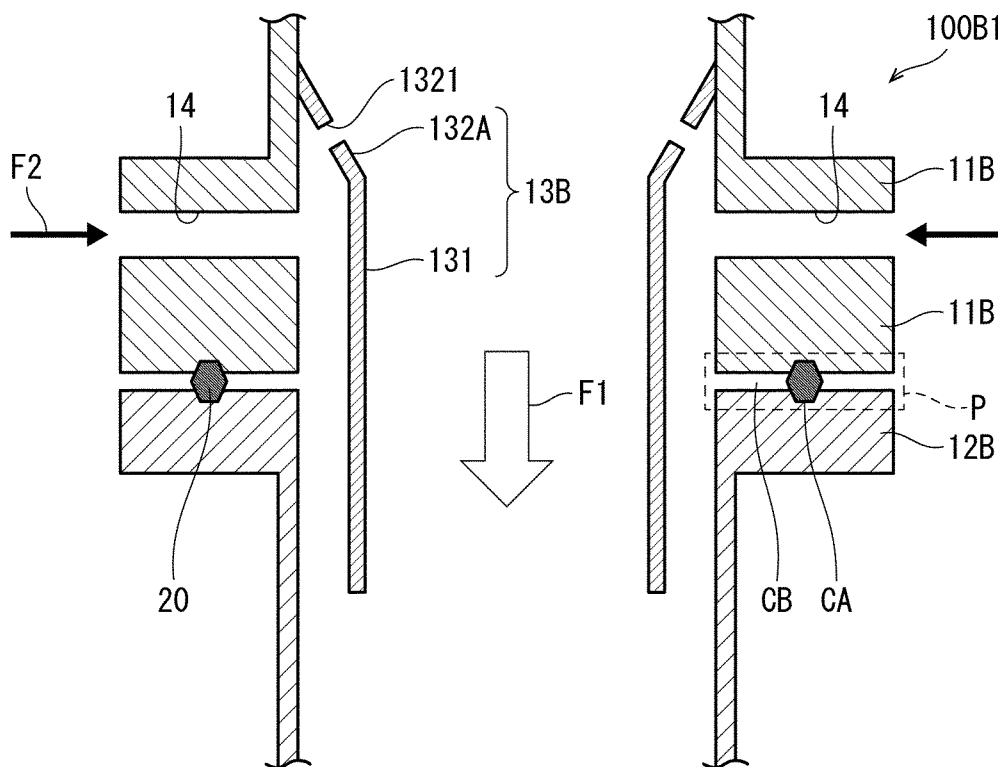


FIG. 8

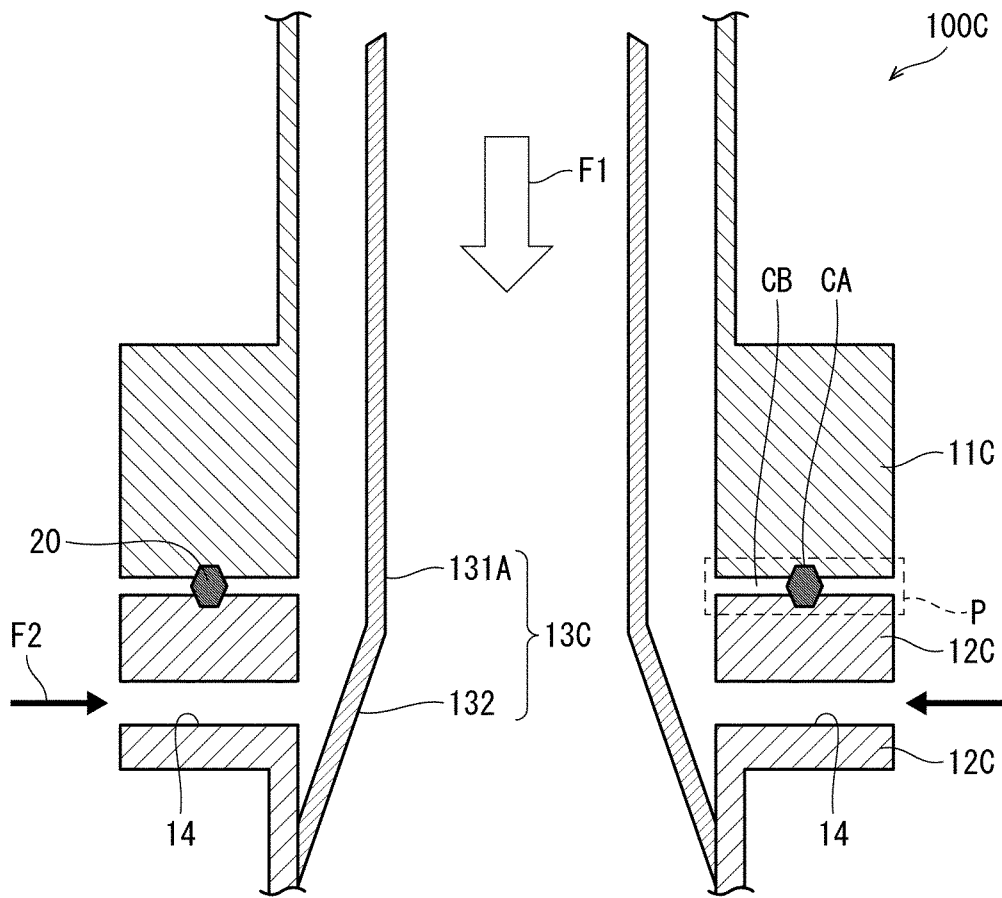


FIG. 9

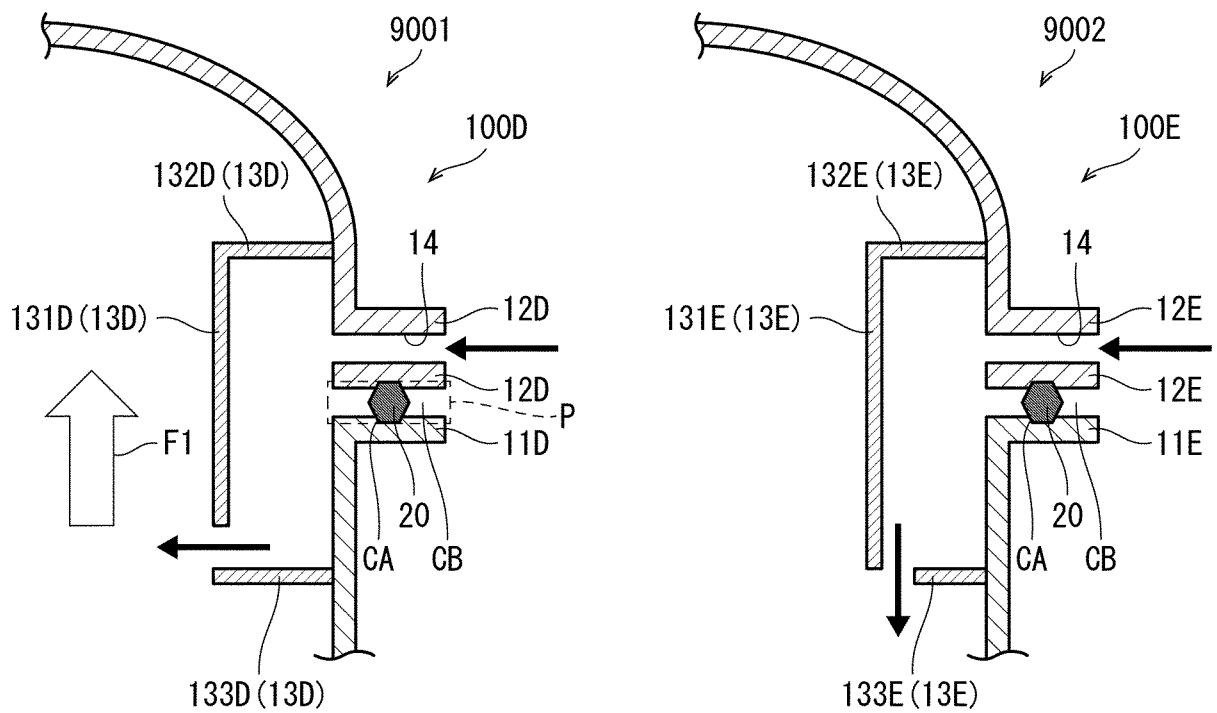


FIG. 10

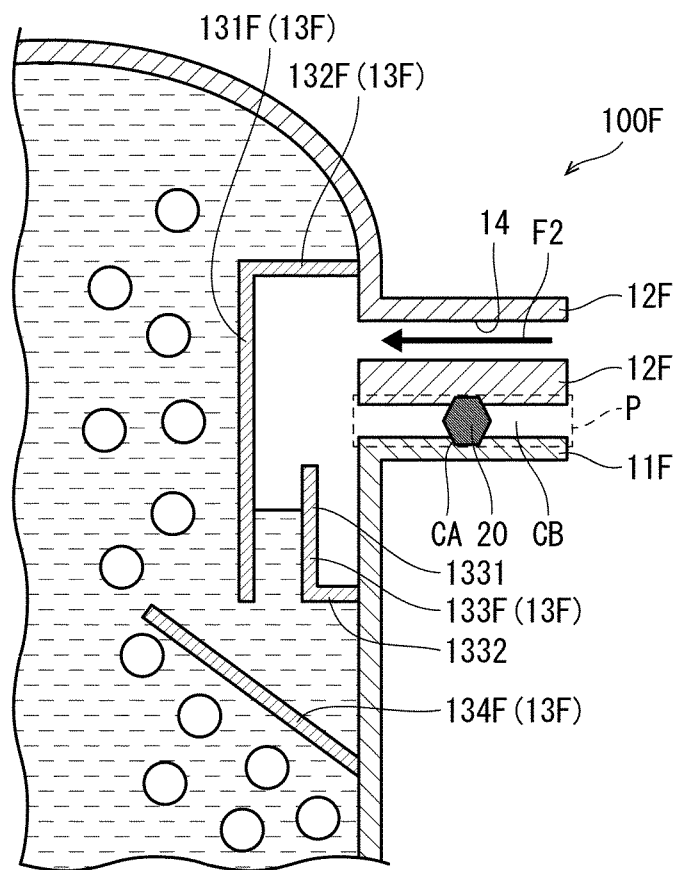


FIG. 11

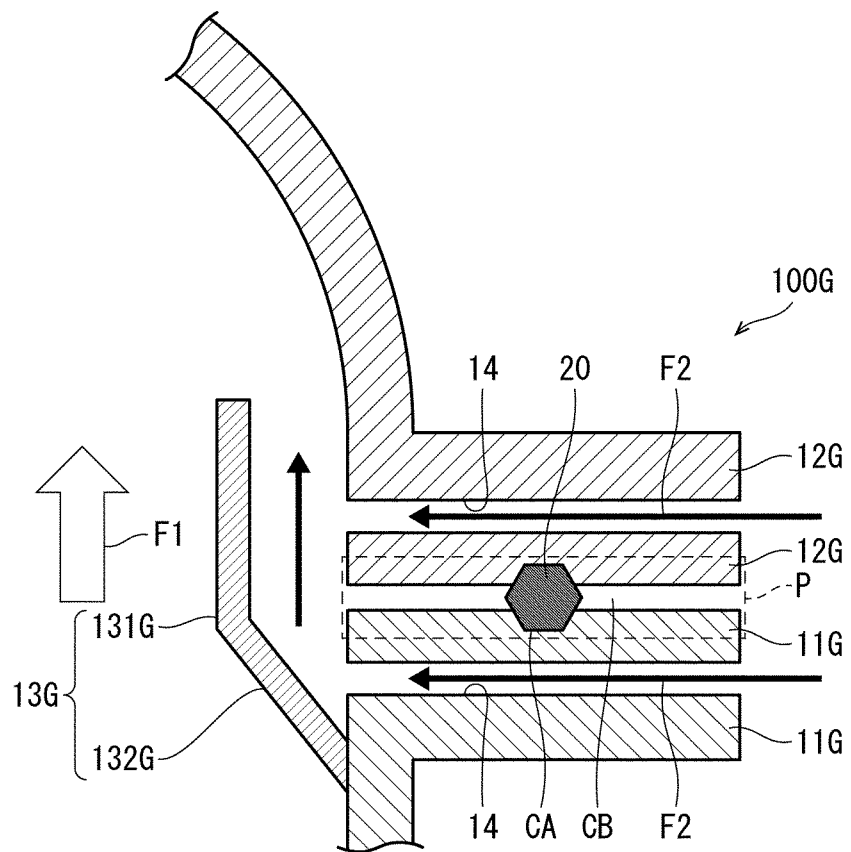


FIG. 12

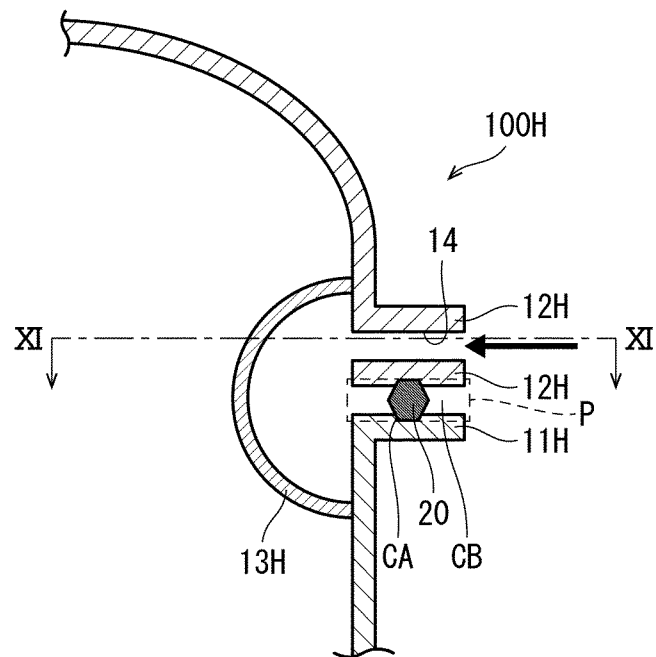


FIG. 13

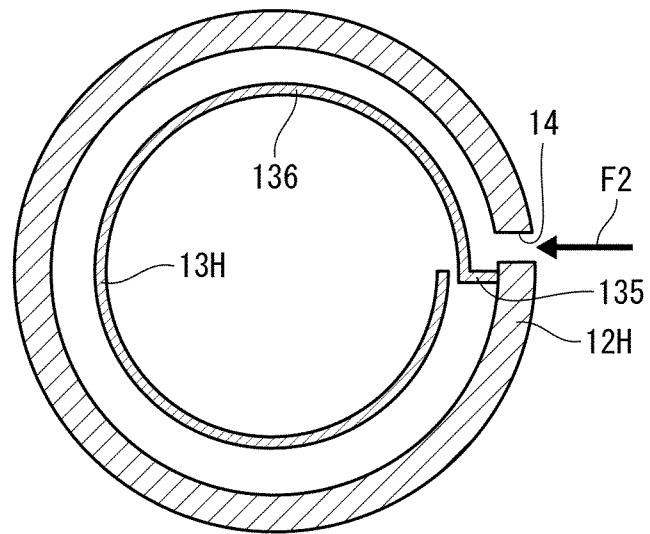


FIG. 14

