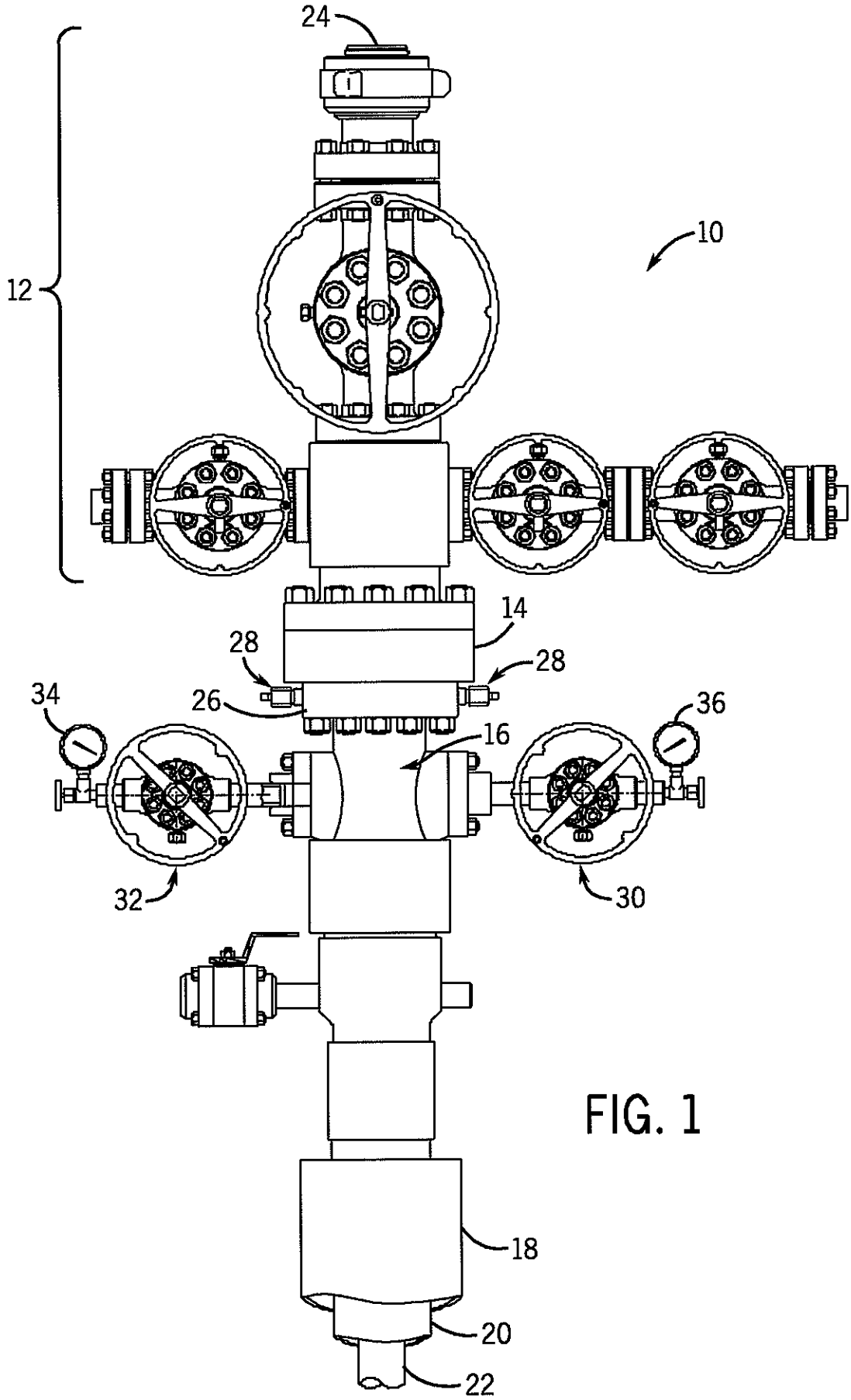


FIG. 1

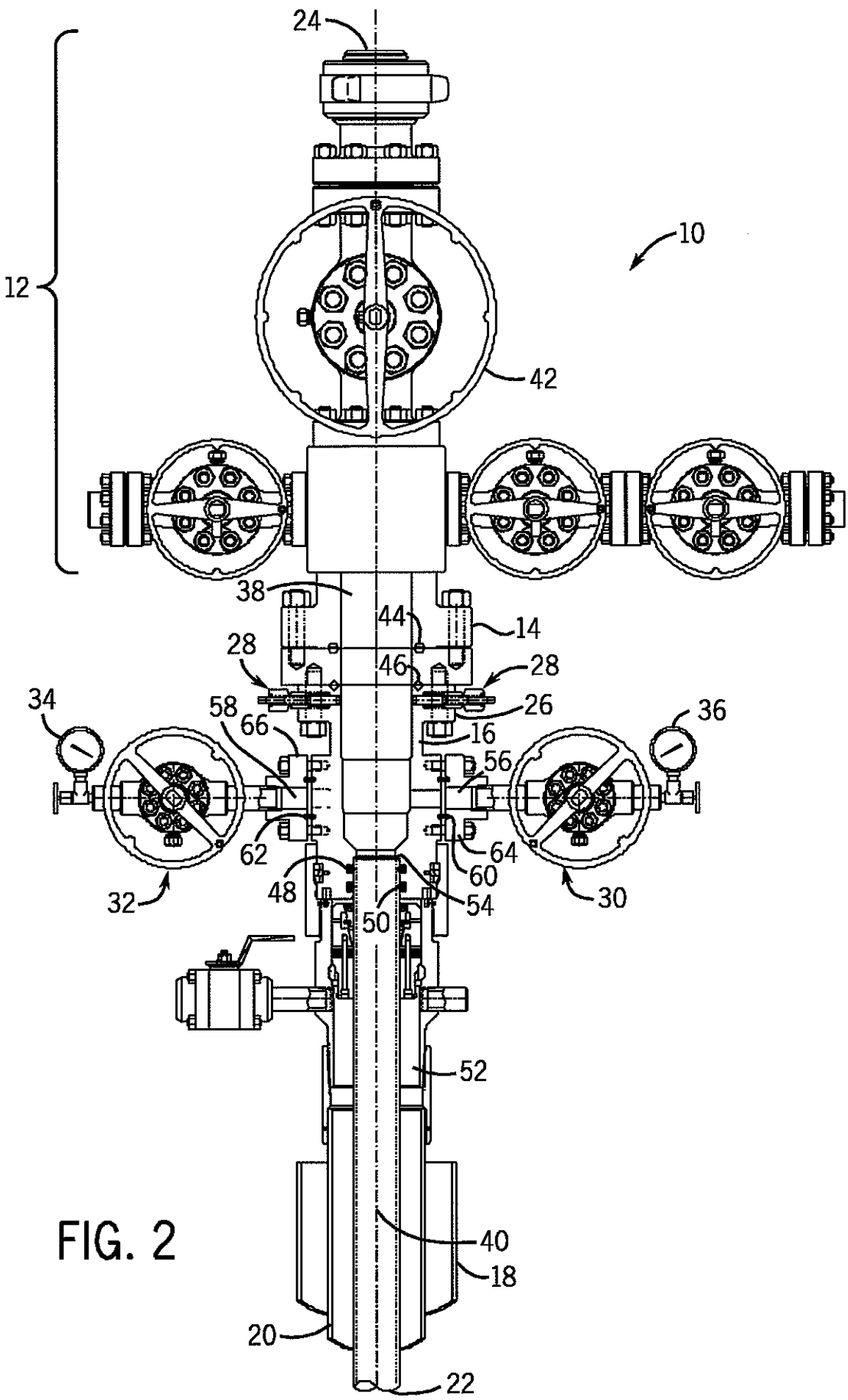

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FIG. 2

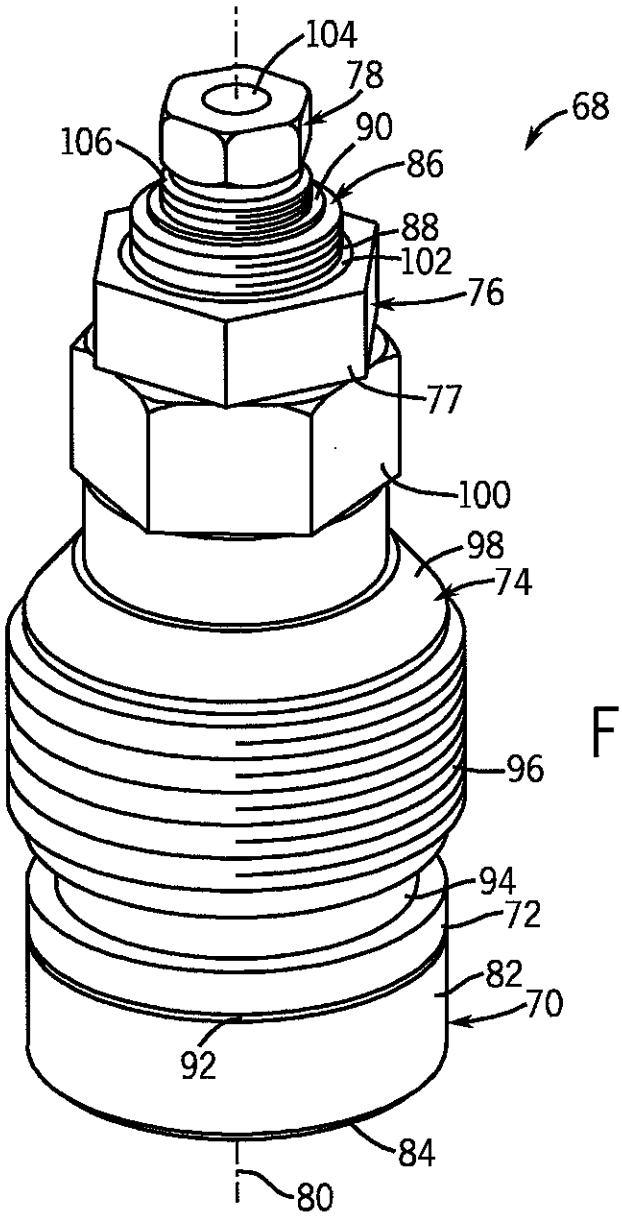


FIG. 3

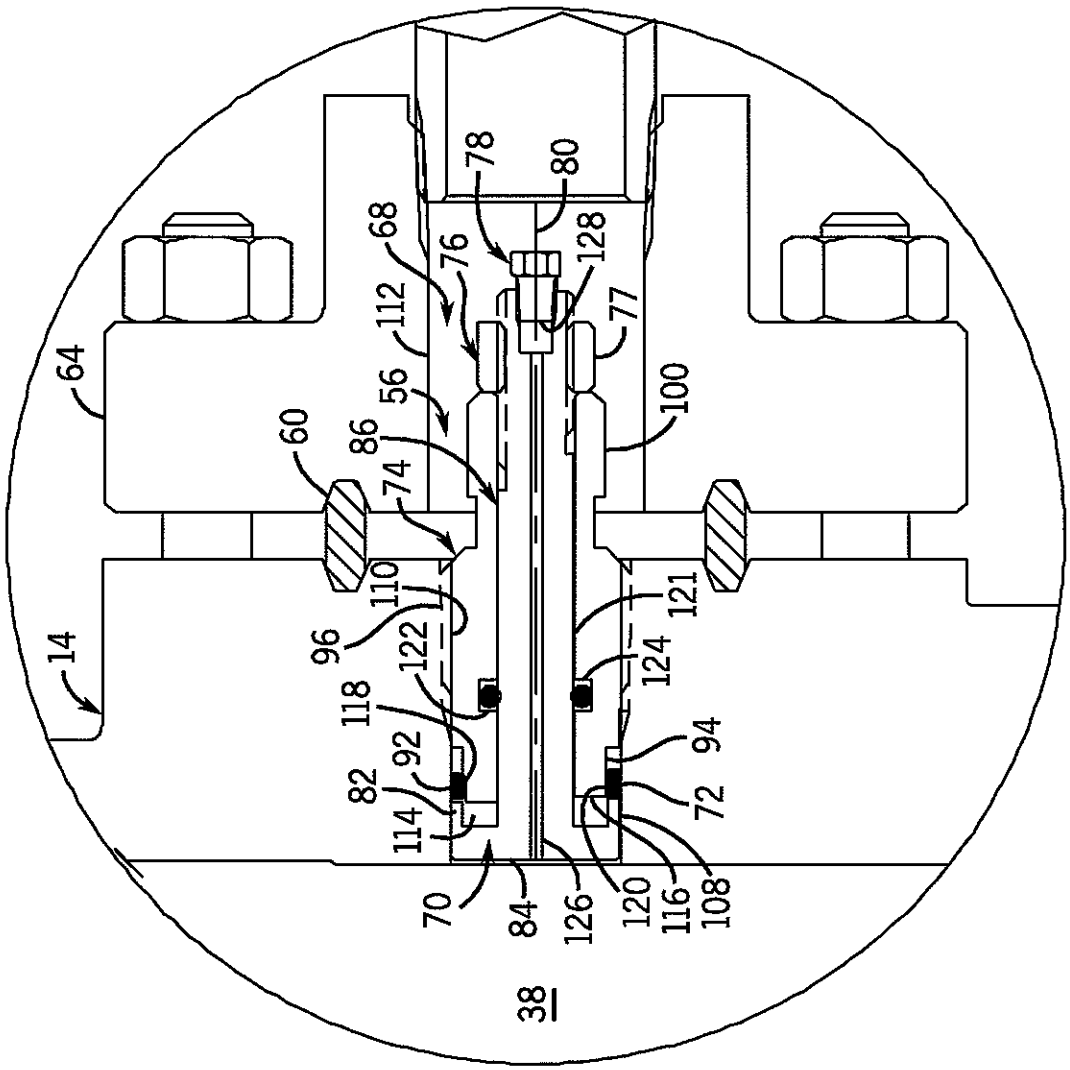

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FIG. 4

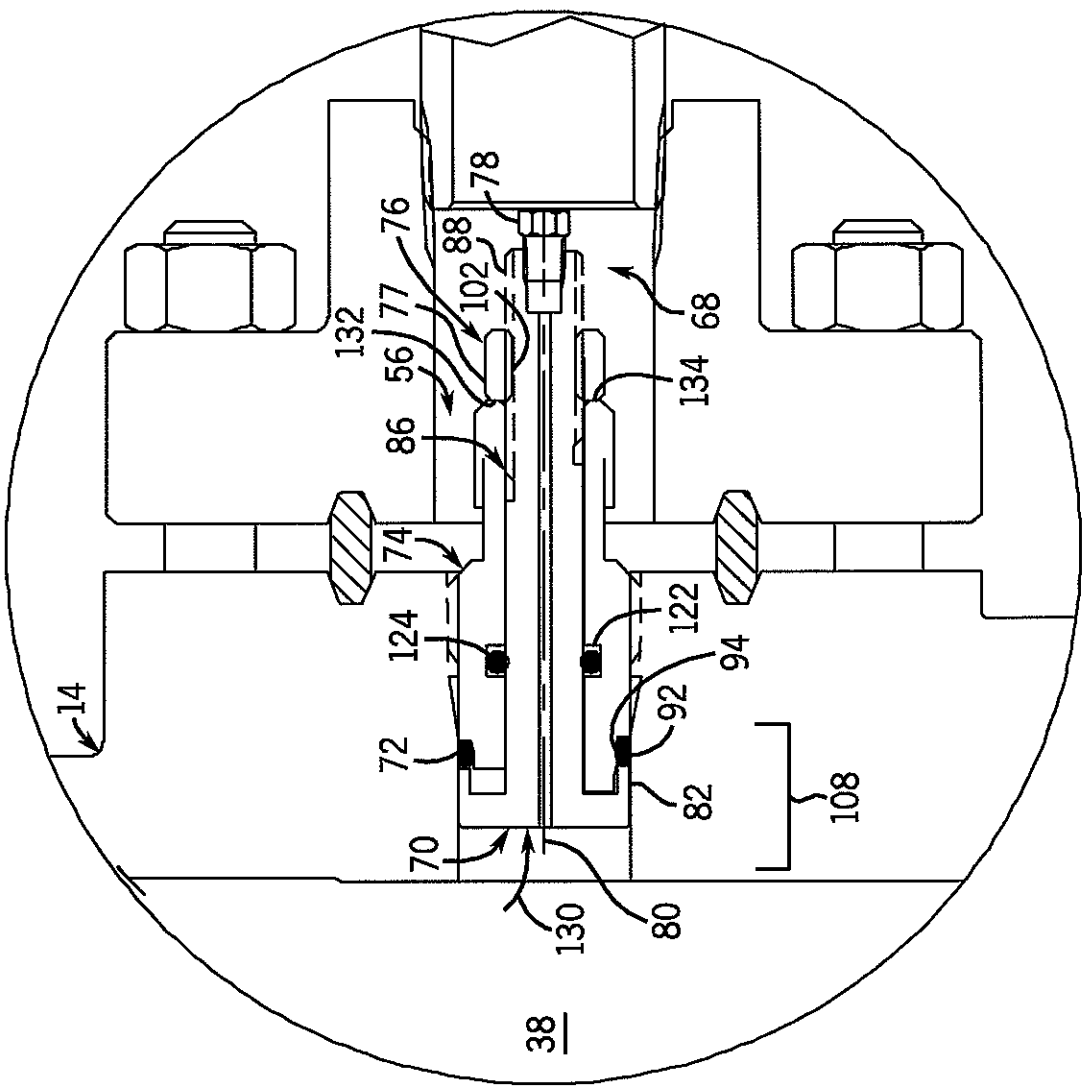

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FIG. 5

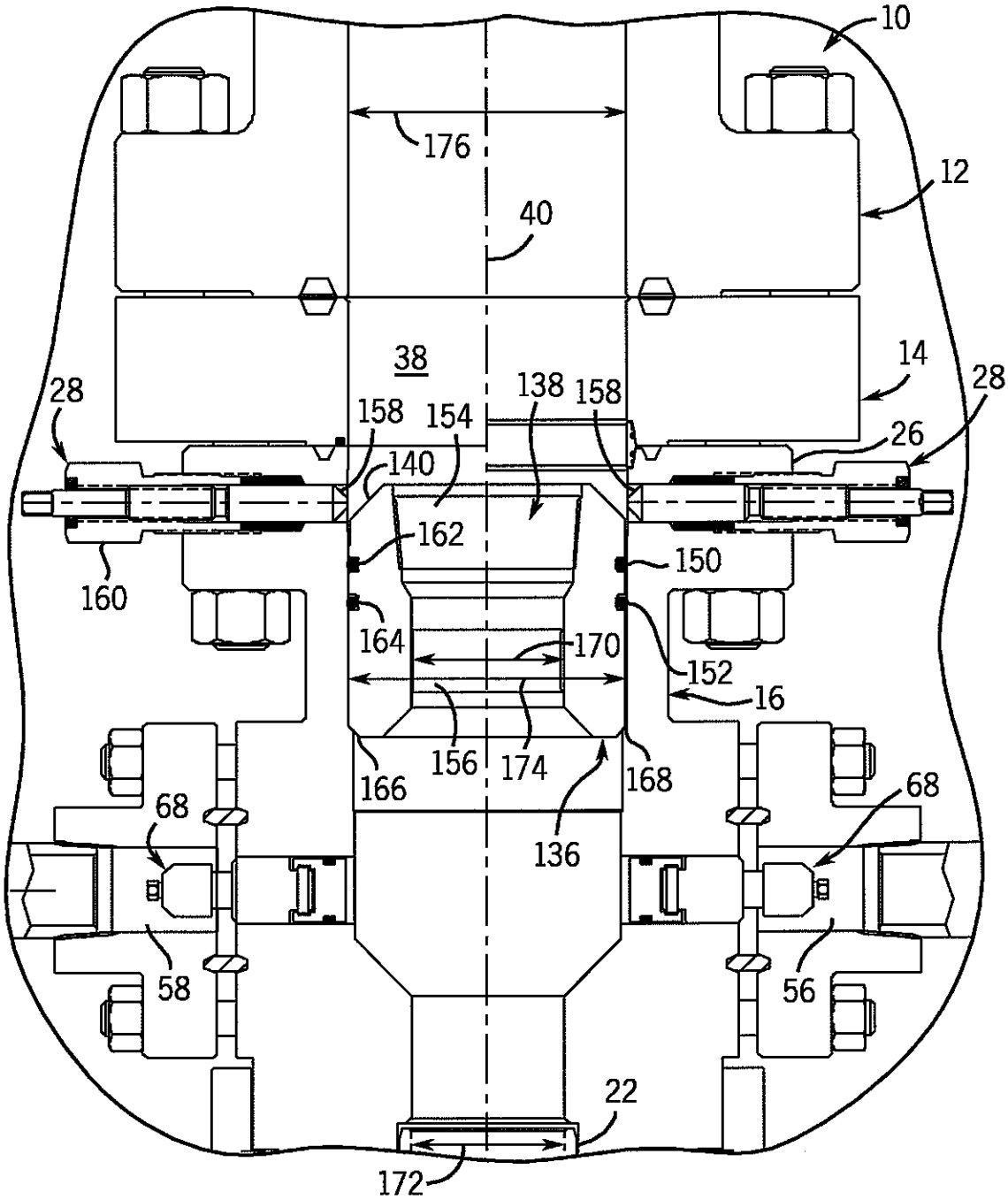

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FIG. 6

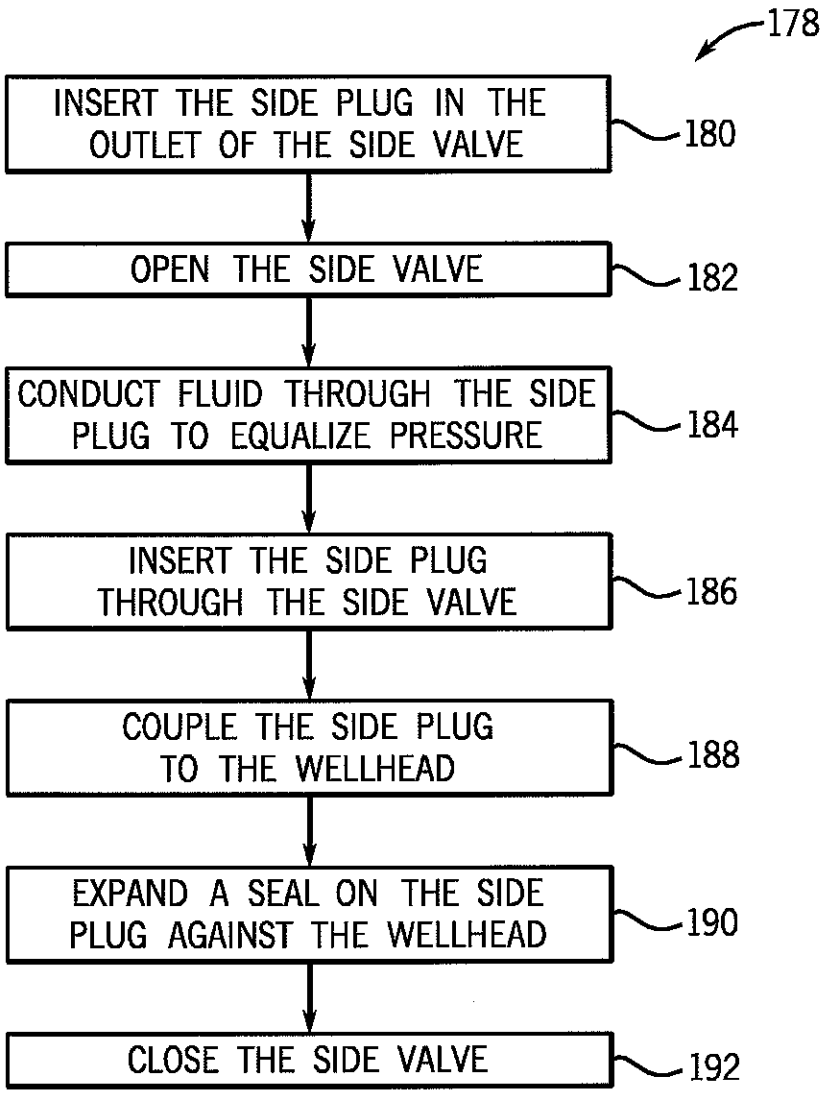

178
INSERT THE SIDE PLUG IN THE OUTLET OF THE SIDE VALVE
180
OPEN THE SIDE VALVE
182
CONDUCT FLUID THROUGH THE SIDE PLUG TO EQUALIZE PRESSURE
184
INSERT THE SIDE PLUG THROUGH THE SIDE VALVE
186
COUPLE THE SIDE PLUG TO THE WELLHEAD
188
EXPAND A SEAL ON THE SIDE PLUG AGAINST THE WELLHEAD
190
CLOSE THE SIDE VALVE
192

FIG. 7

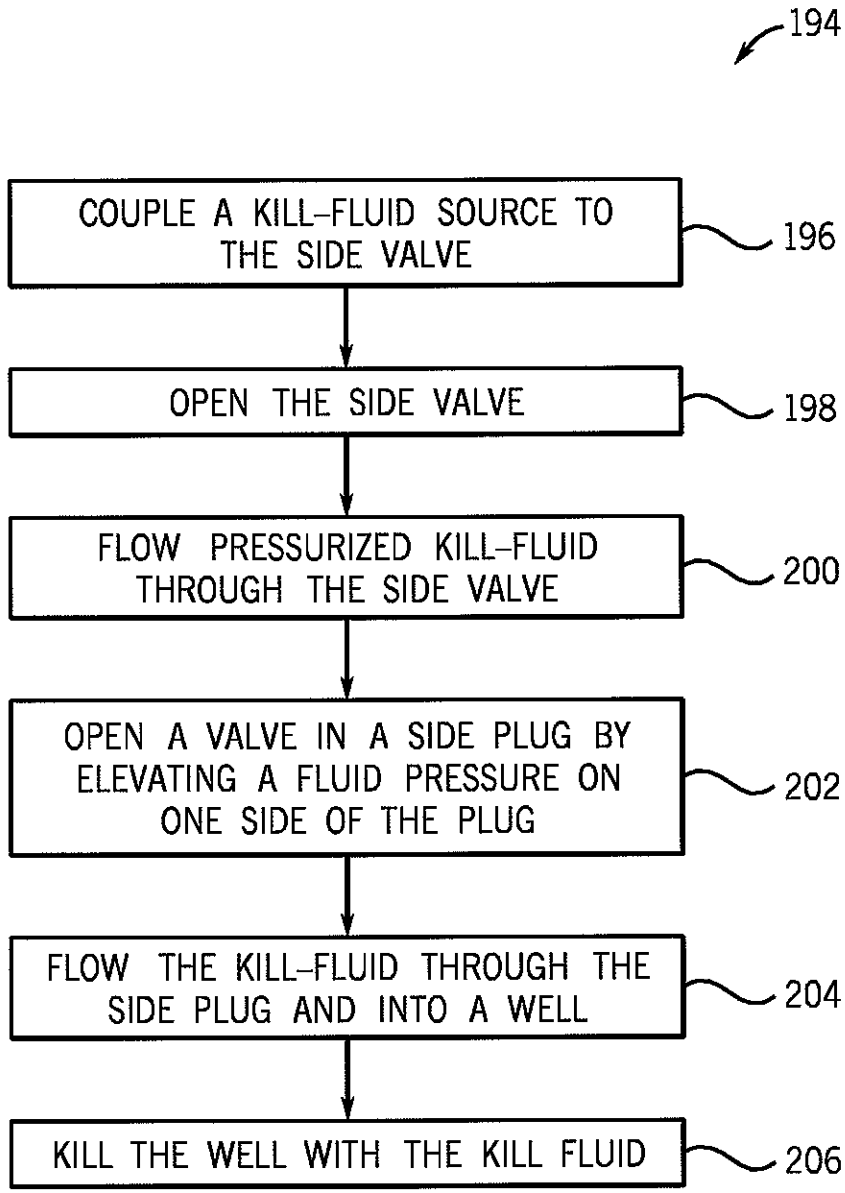

194
COUPLE A KILL-FLUID SOURCE TO THE SIDE VALVE
196
OPEN THE SIDE VALVE
198
FLOW PRESSURIZED KILL-FLUID THROUGH THE SIDE VALVE
200
OPEN A VALVE IN A SIDE PLUG BY ELEVATING A FLUID PRESSURE ON ONE SIDE OF THE PLUG
202
FLOW THE KILL-FLUID THROUGH THE SIDE PLUG AND INTO A WELL
204
KILL THE WELL WITH THE KILL FLUID
206

FIG. 8

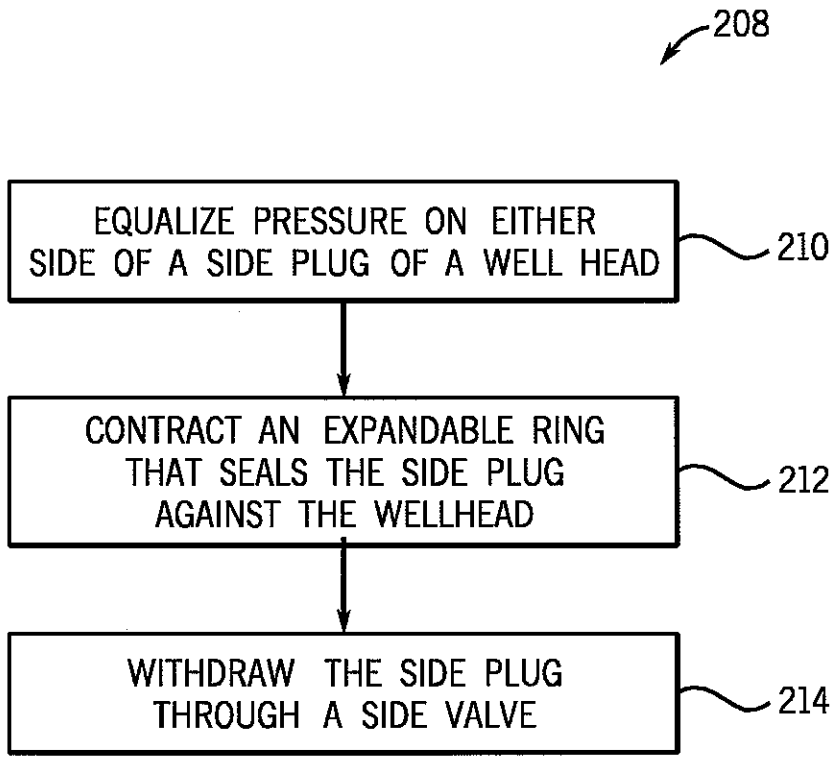

208
EQUALIZE PRESSURE ON EITHER SIDE OF A SIDE PLUG OF A WELL HEAD
210
CONTRACT AN EXPANDABLE RING THAT SEALS THE SIDE PLUG AGAINST THE WELLHEAD
212
WITHDRAW THE SIDE PLUG THROUGH A SIDE VALVE
214

FIG. 9

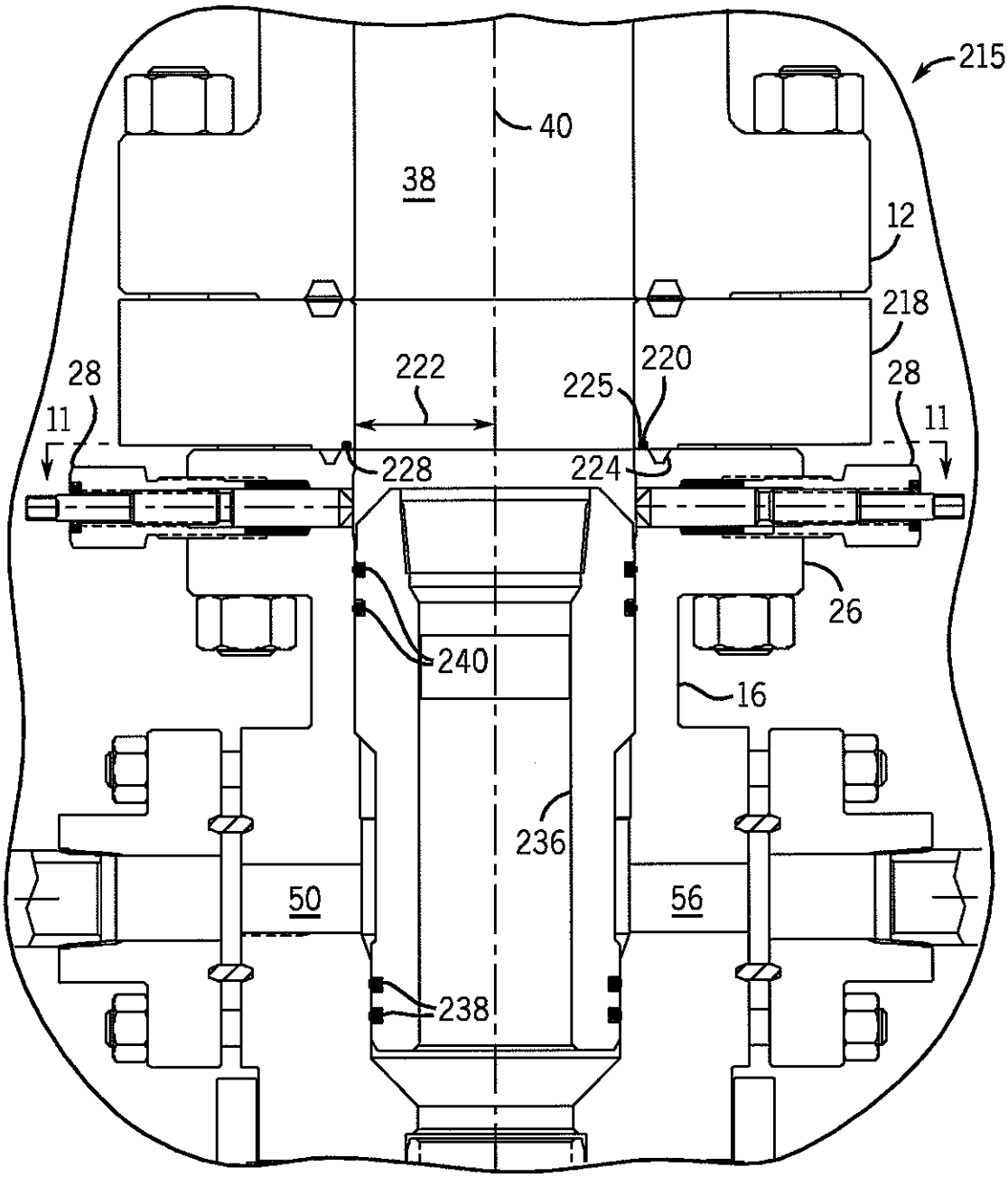

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FIG. 10

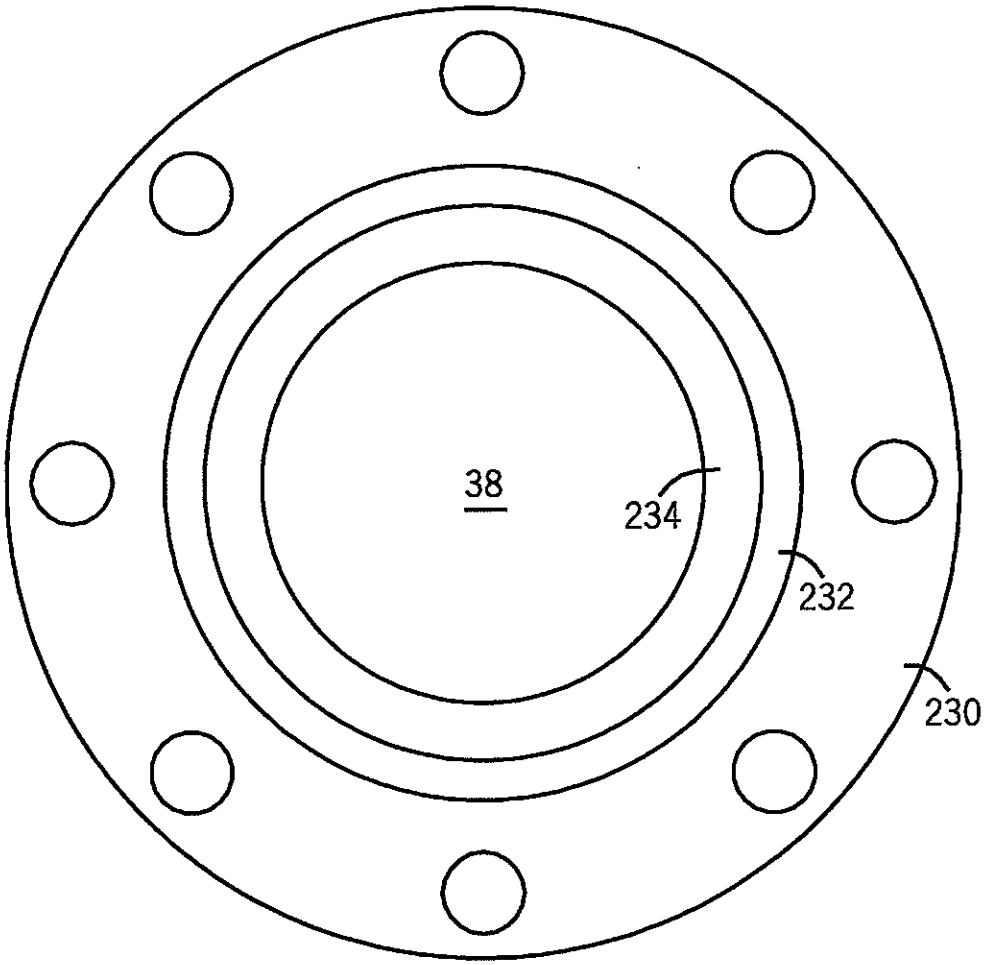


FIG. 11

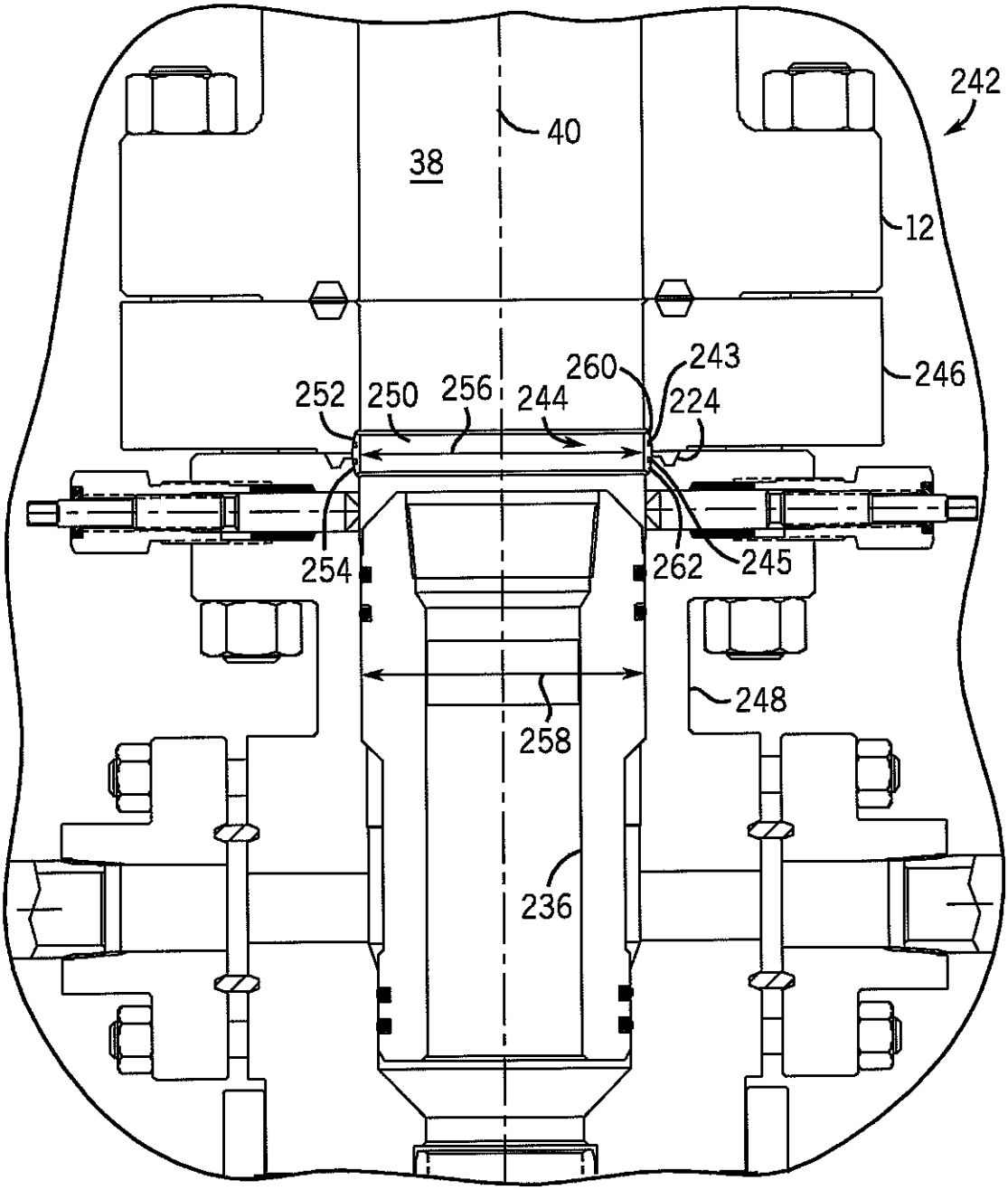

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FIG. 12

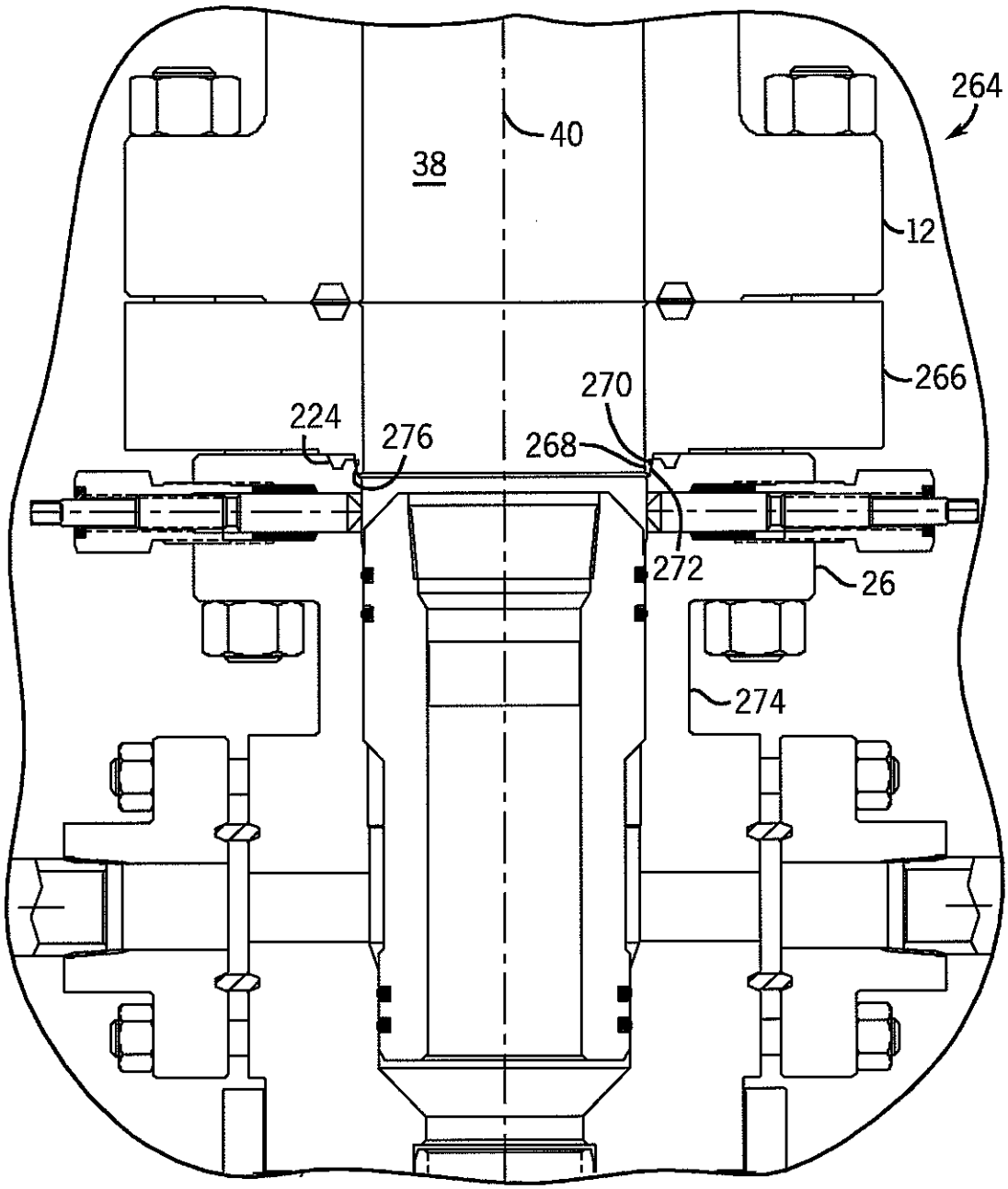


FIG. 13

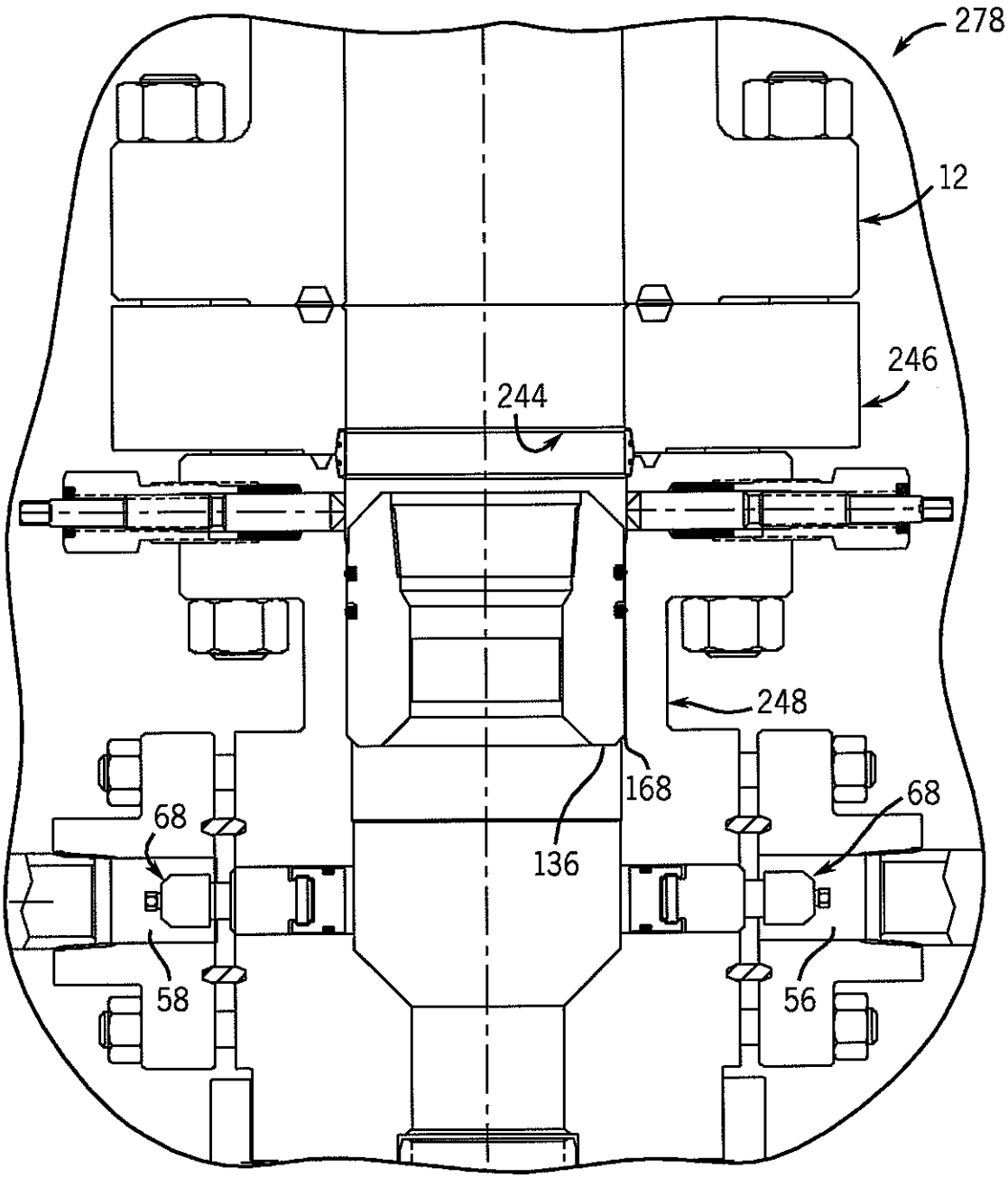


FIG. 14

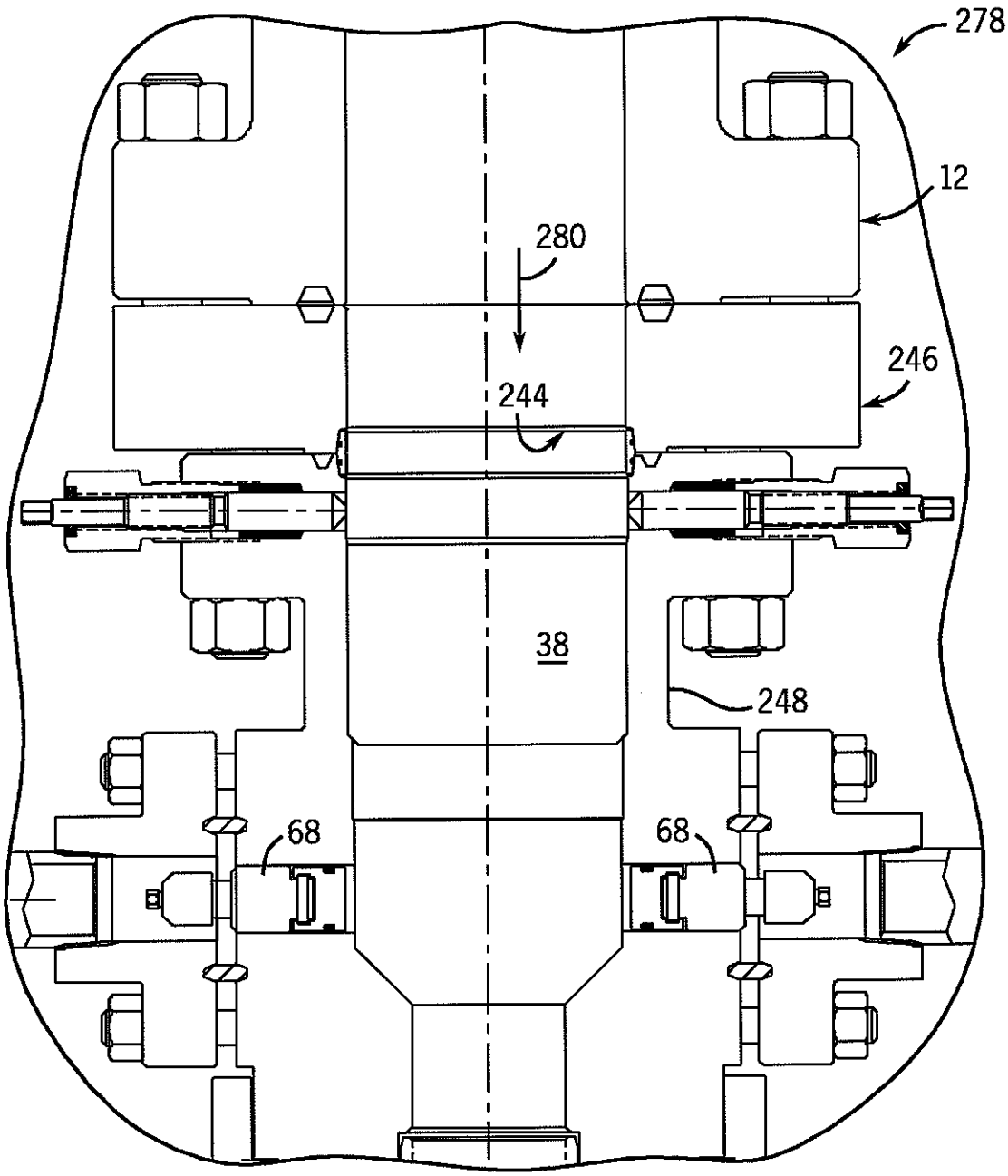


FIG. 15

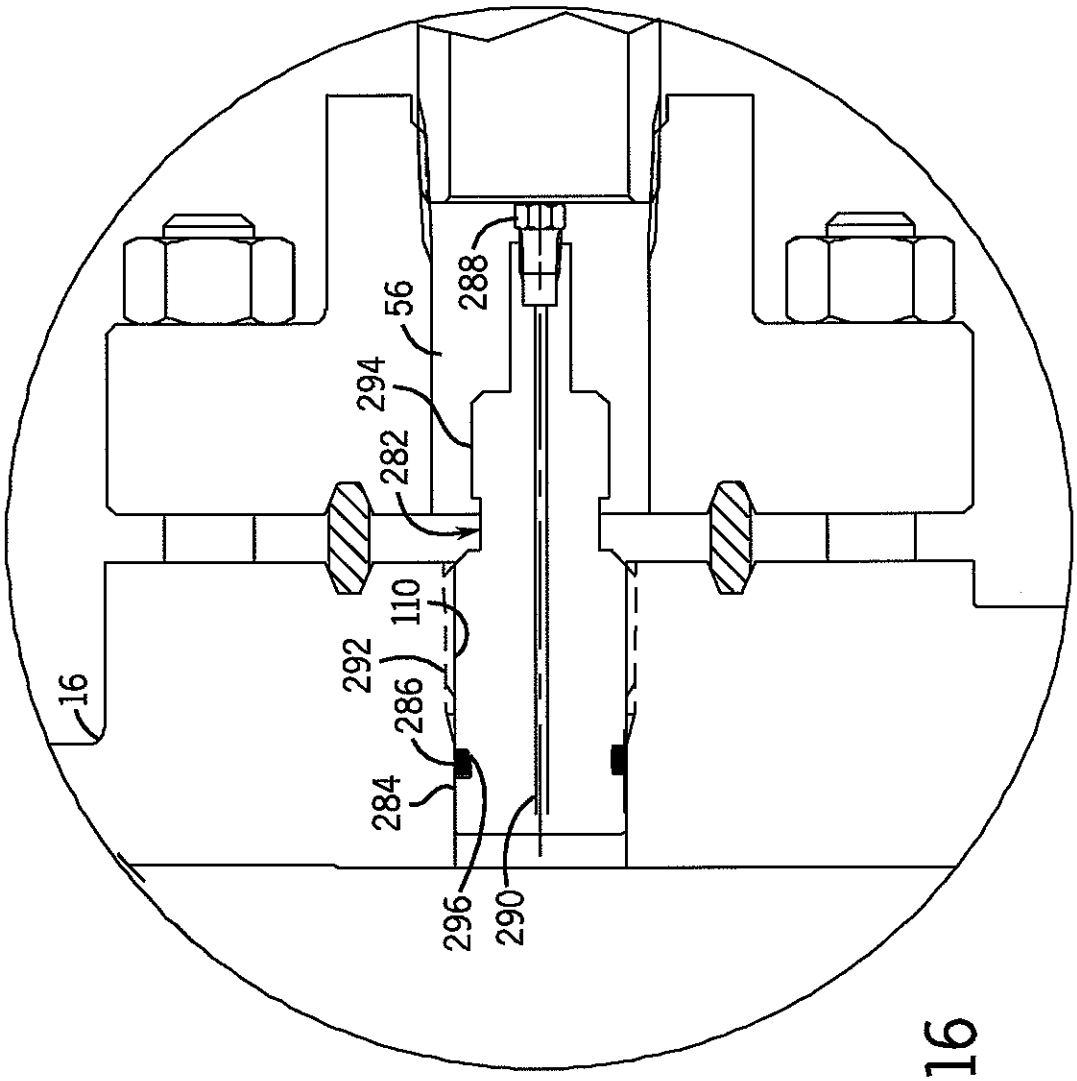


FIG. 16