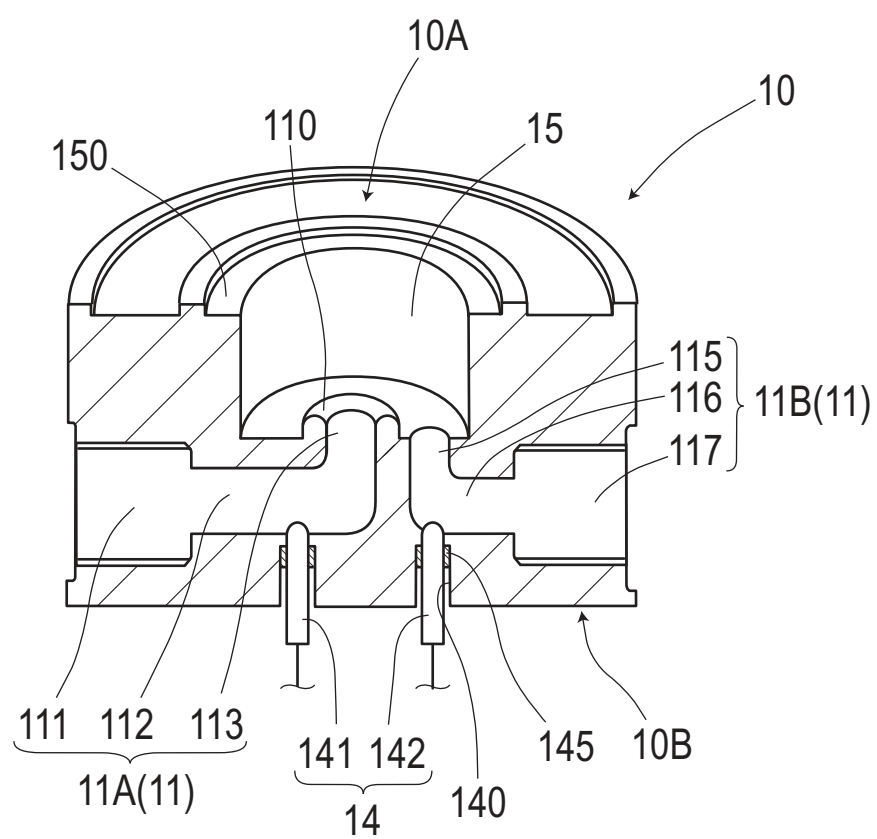
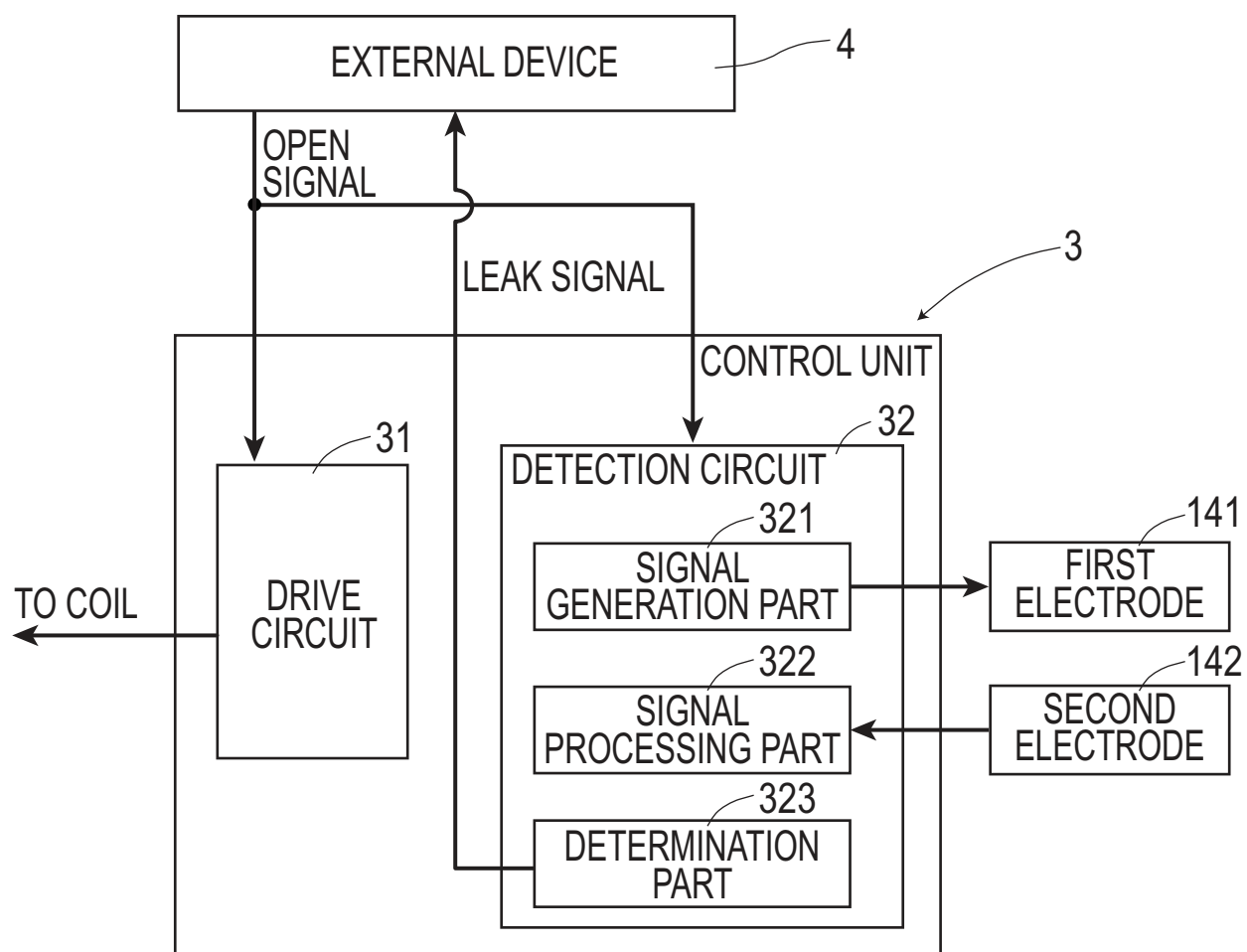


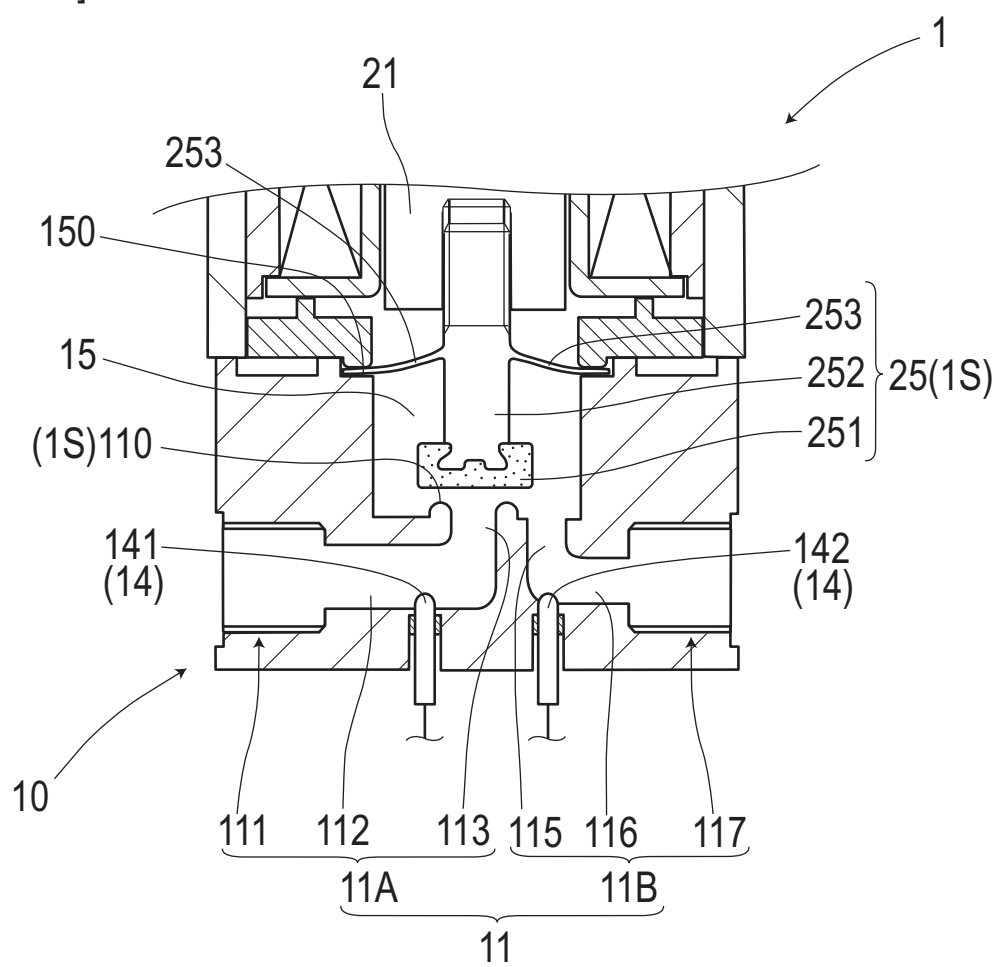
[FIG. 2]



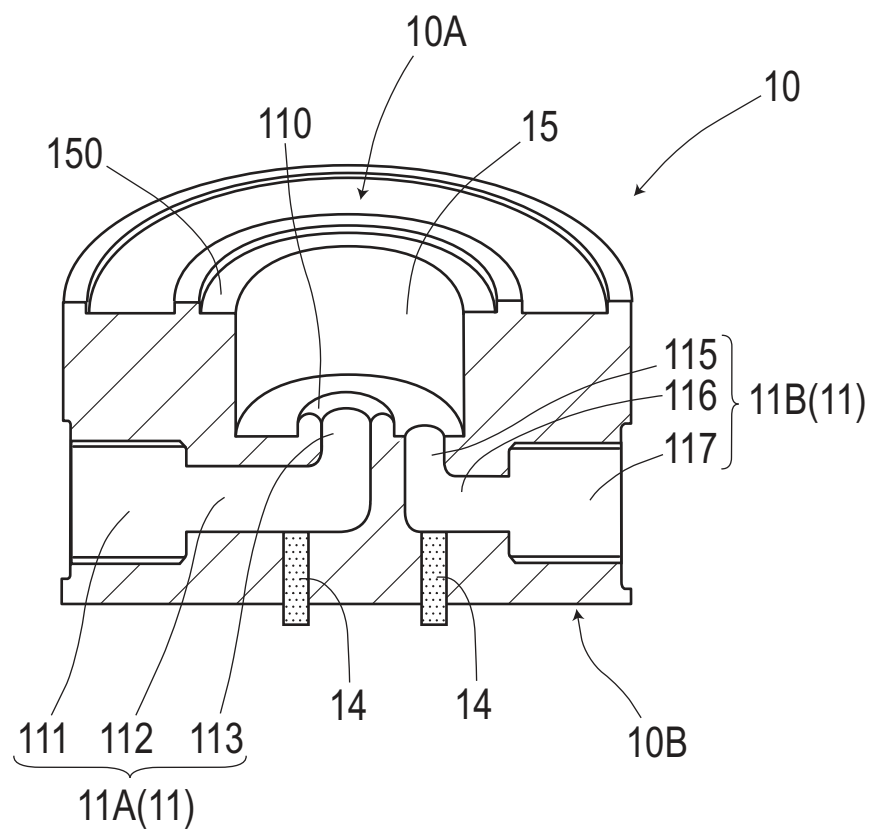
[FIG. 3]



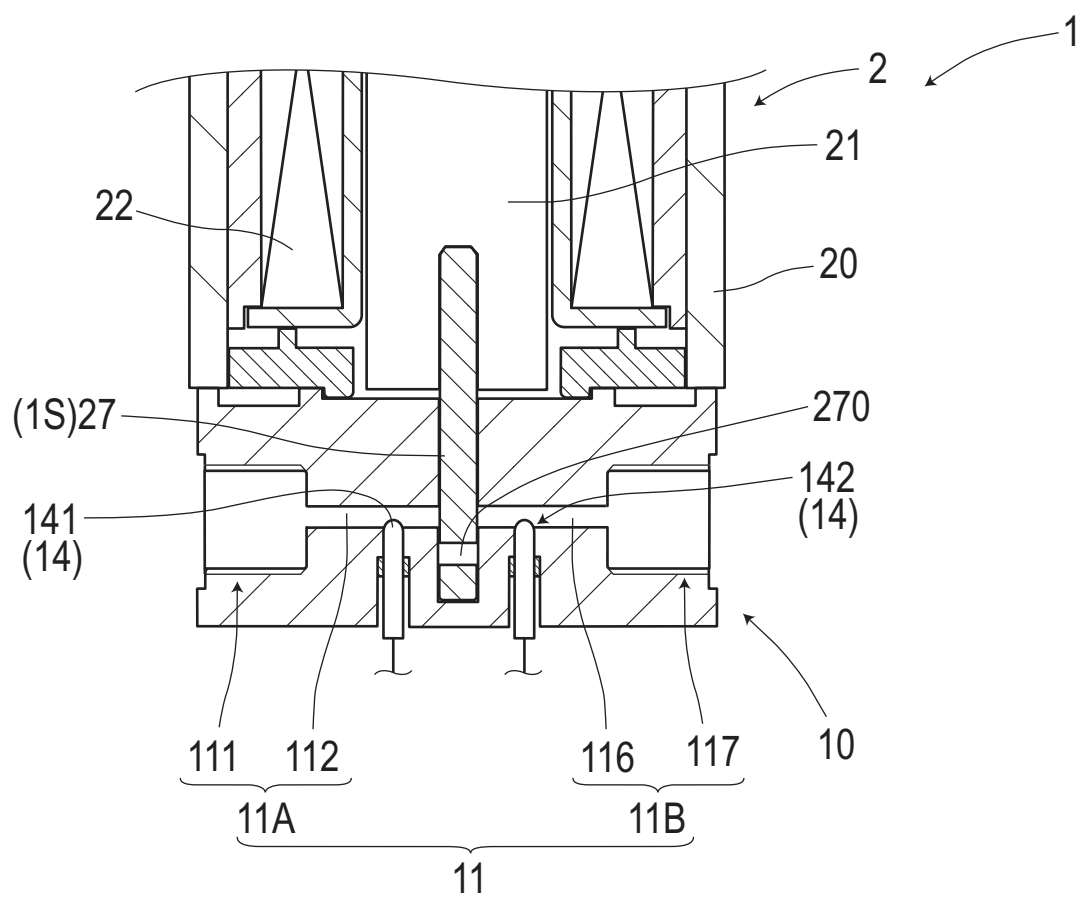
[FIG. 4]



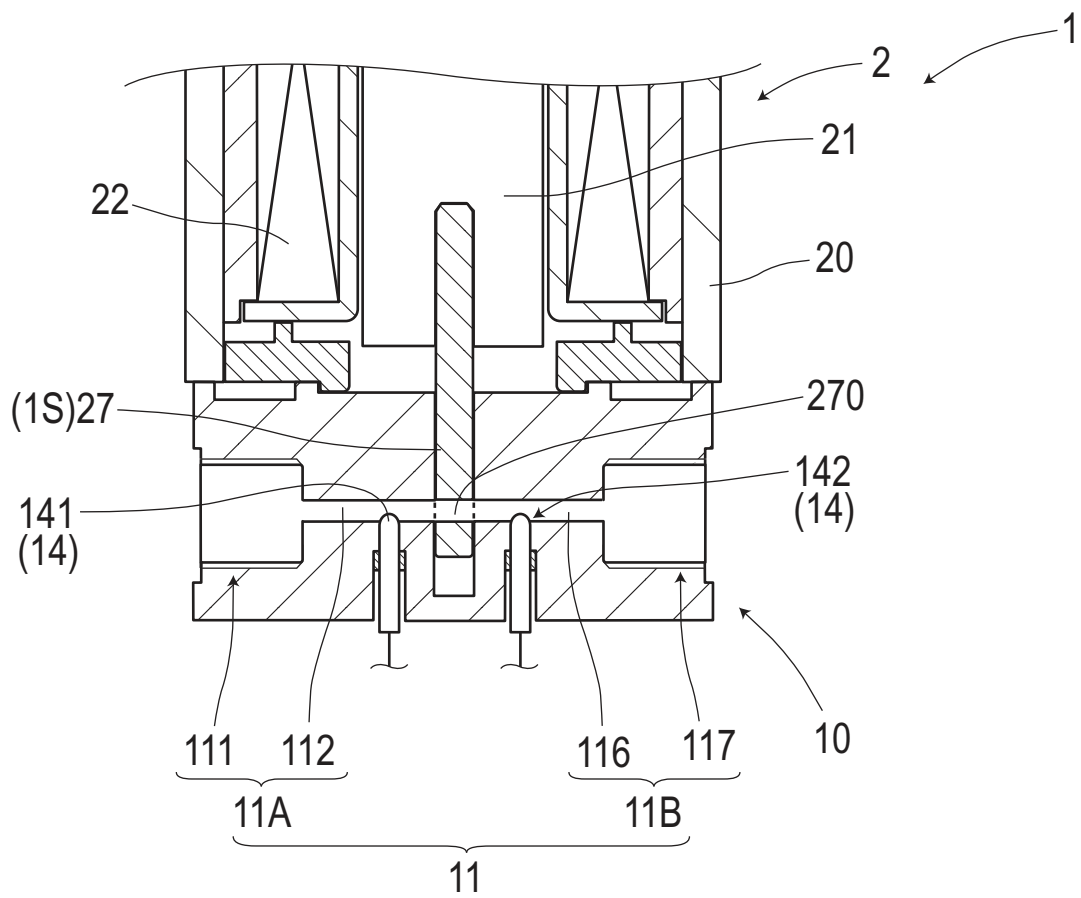
[FIG. 5]



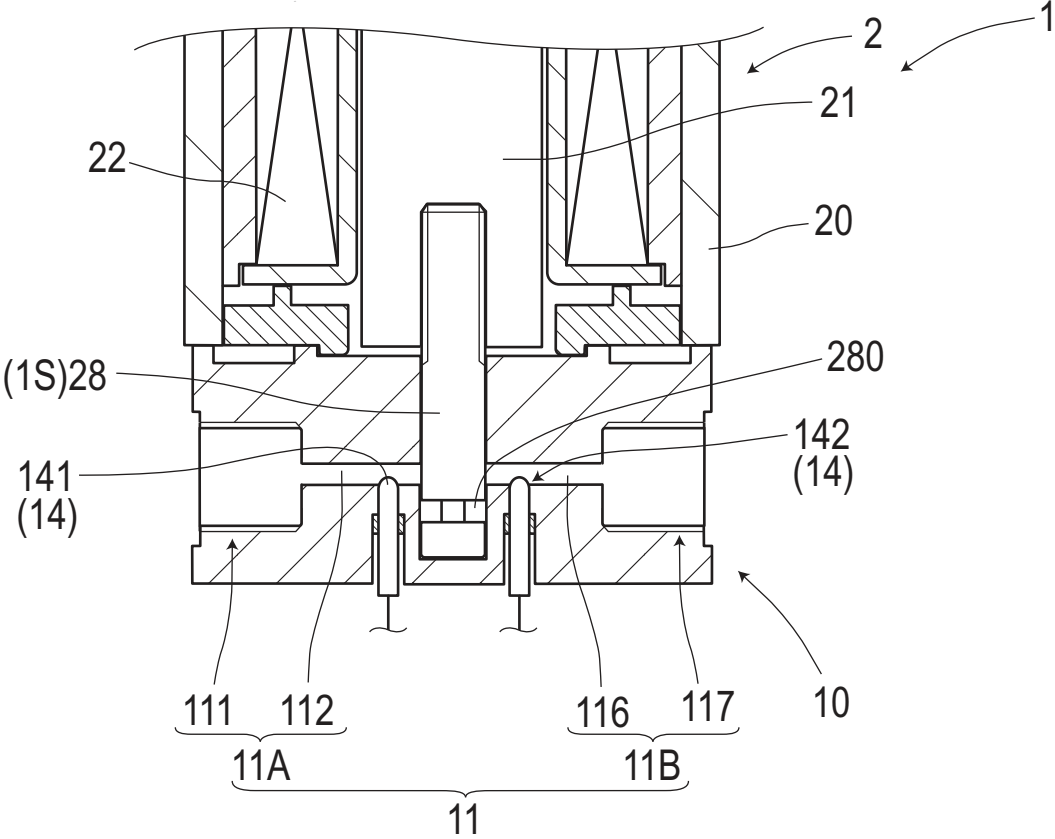
[FIG. 6]



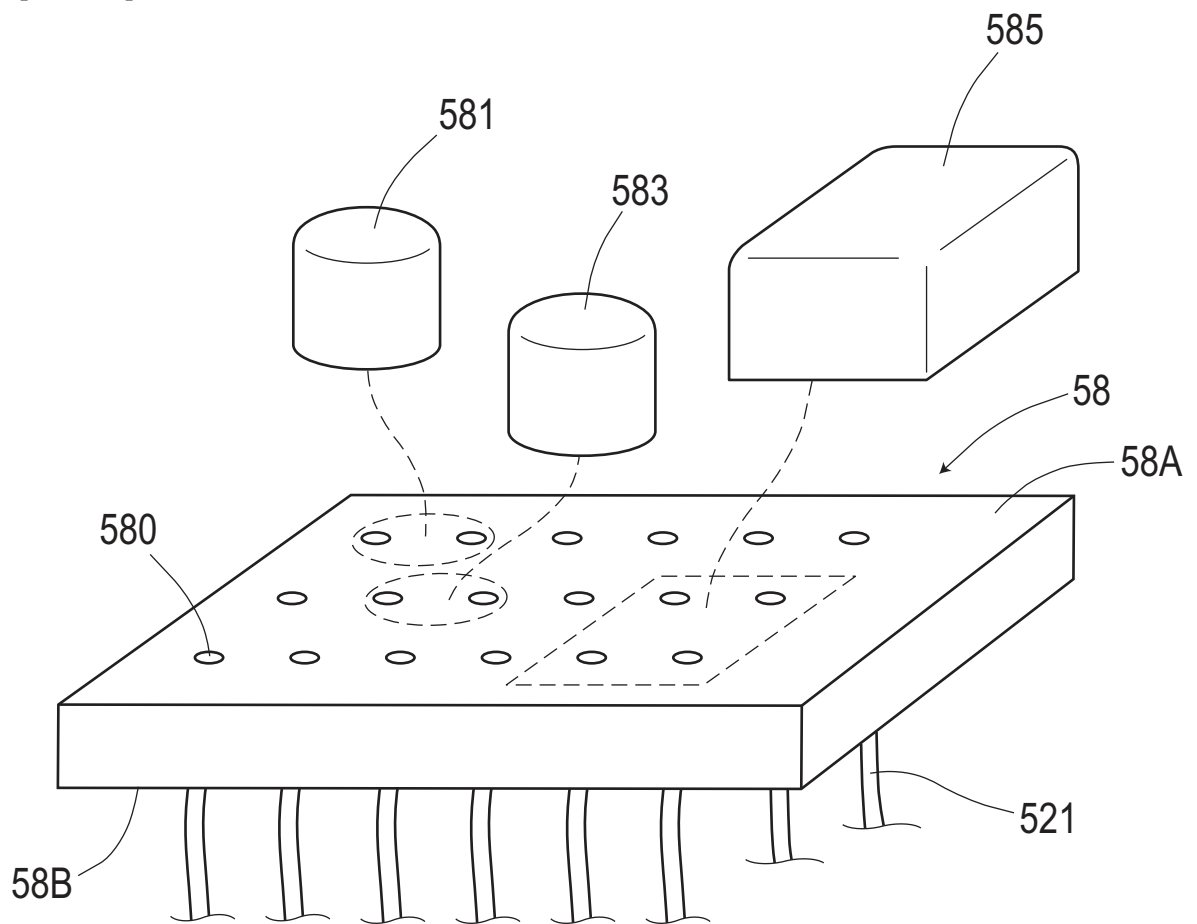
[FIG. 7]



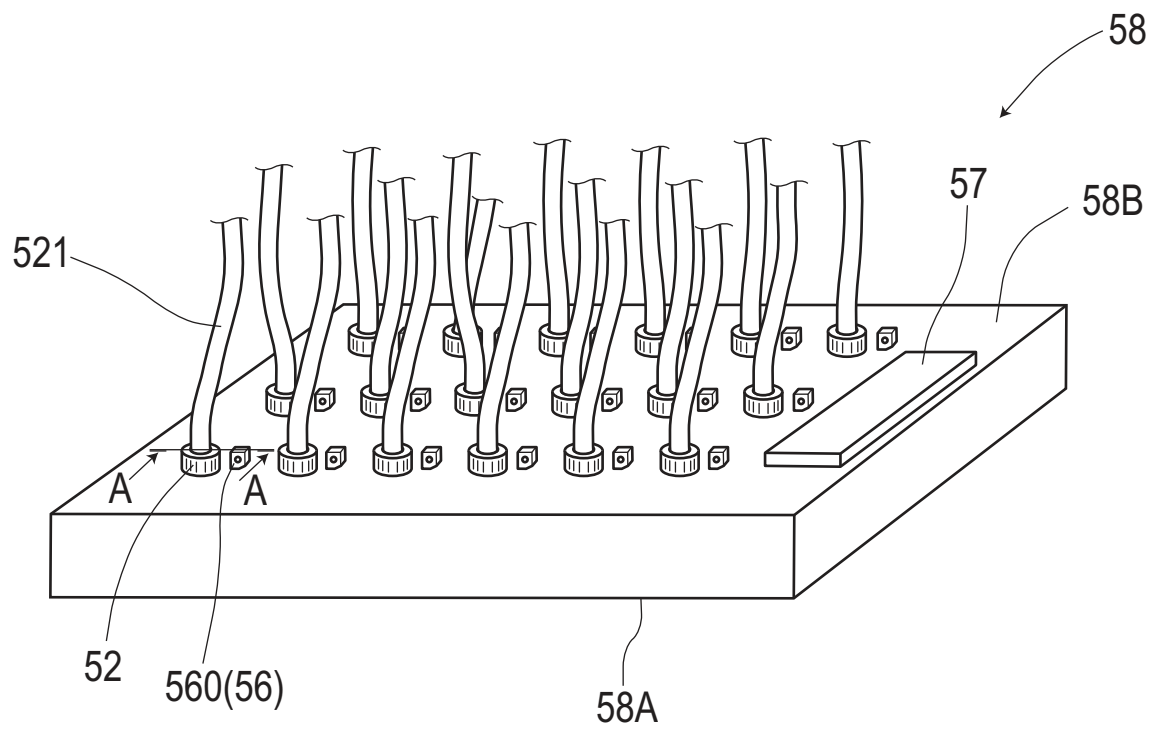
[FIG. 8]



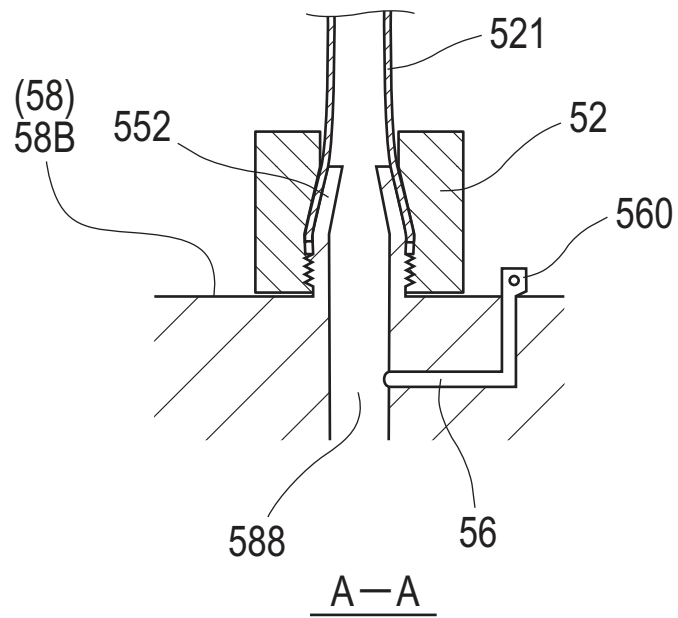
[FIG. 9]



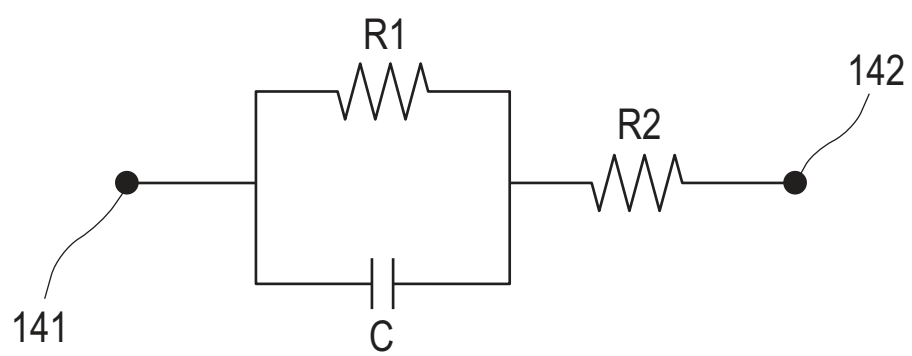
[FIG. 10]



[FIG. 11]

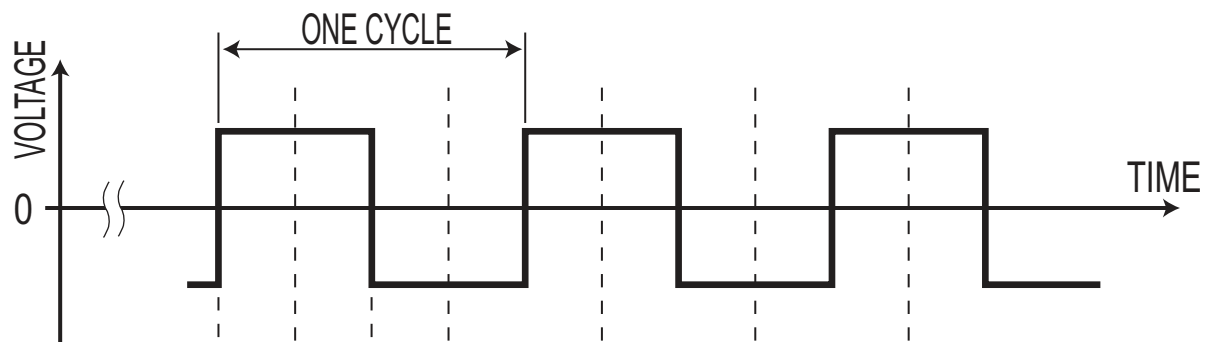


[FIG. 12]

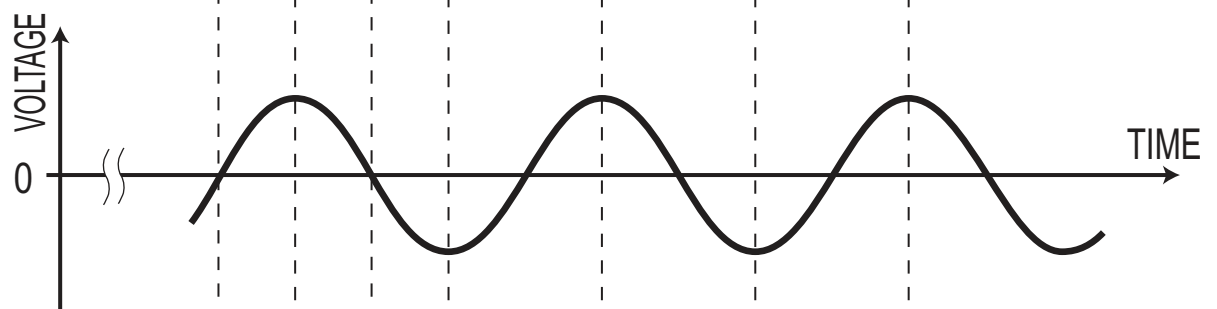


[FIG. 13]

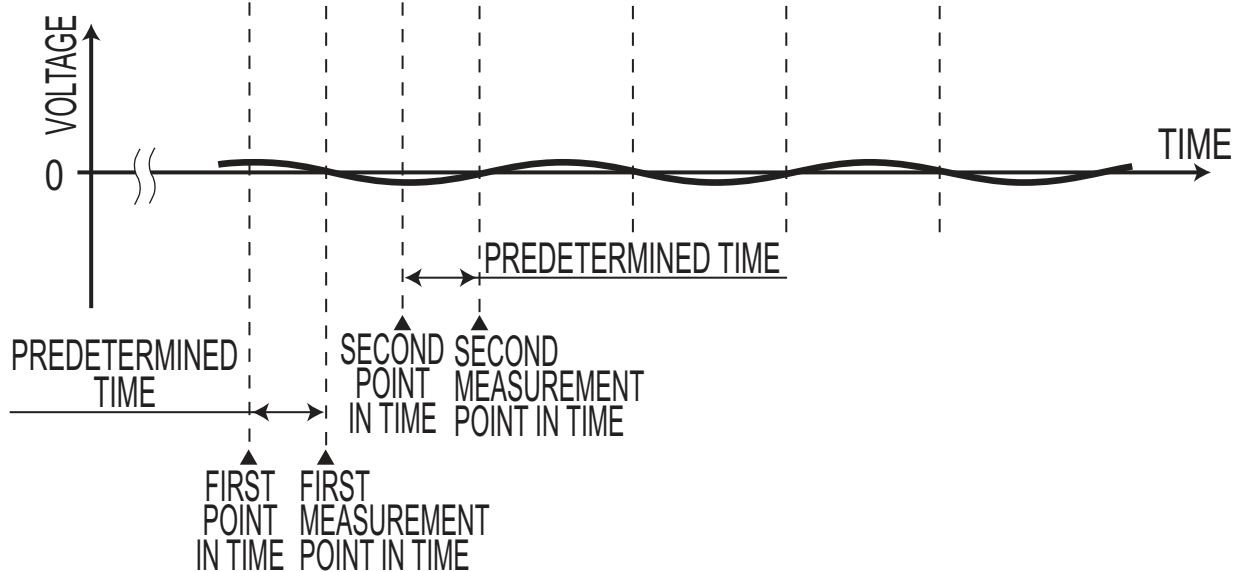
(a) AC SIGNAL



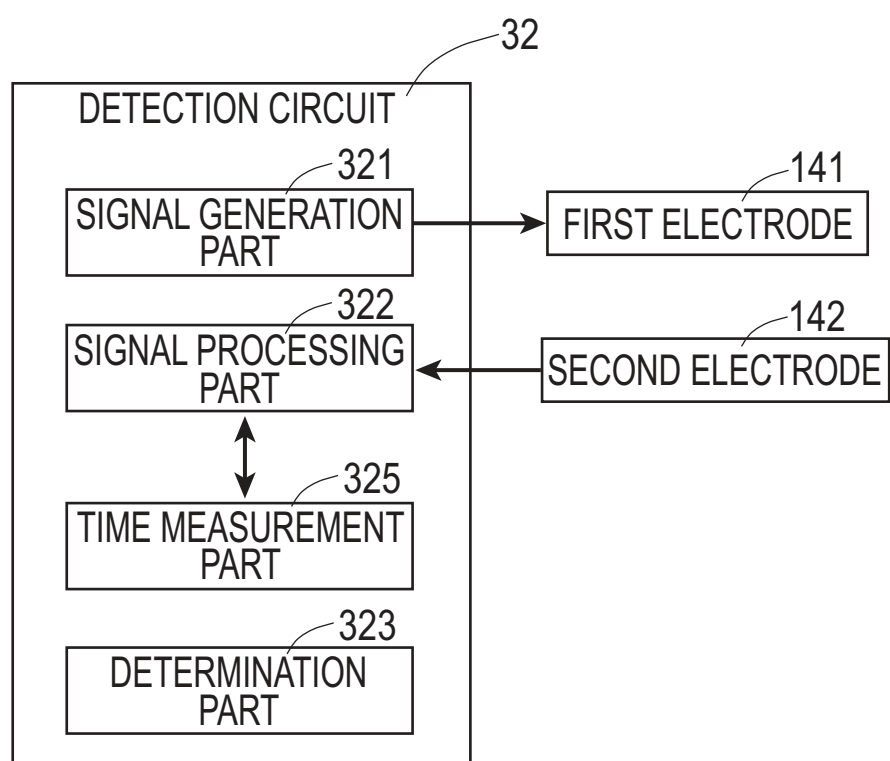
(b) INTERMEDIATE
SIGNAL AT
VALVE OPEN



(c) INTERMEDIATE
SIGNAL AT
VALVE CLOSING



[FIG. 14]



[FIG. 15]
(a) AC SIGNAL

