

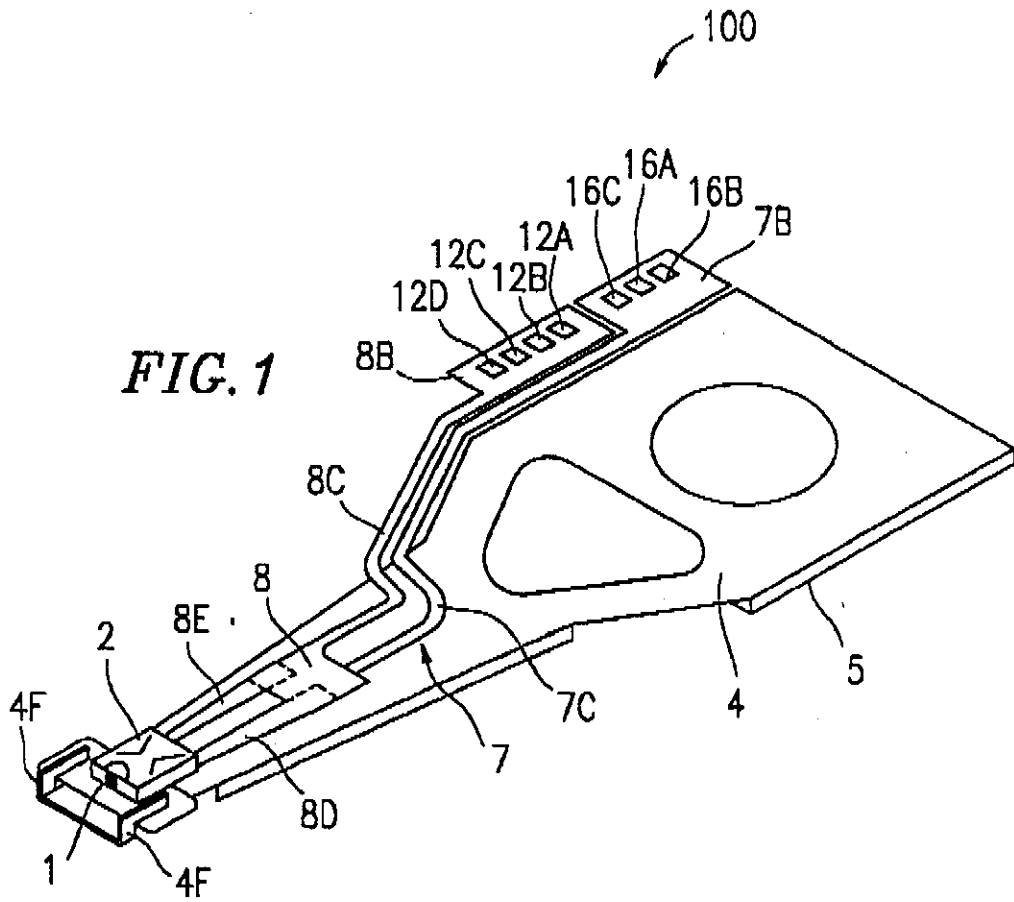


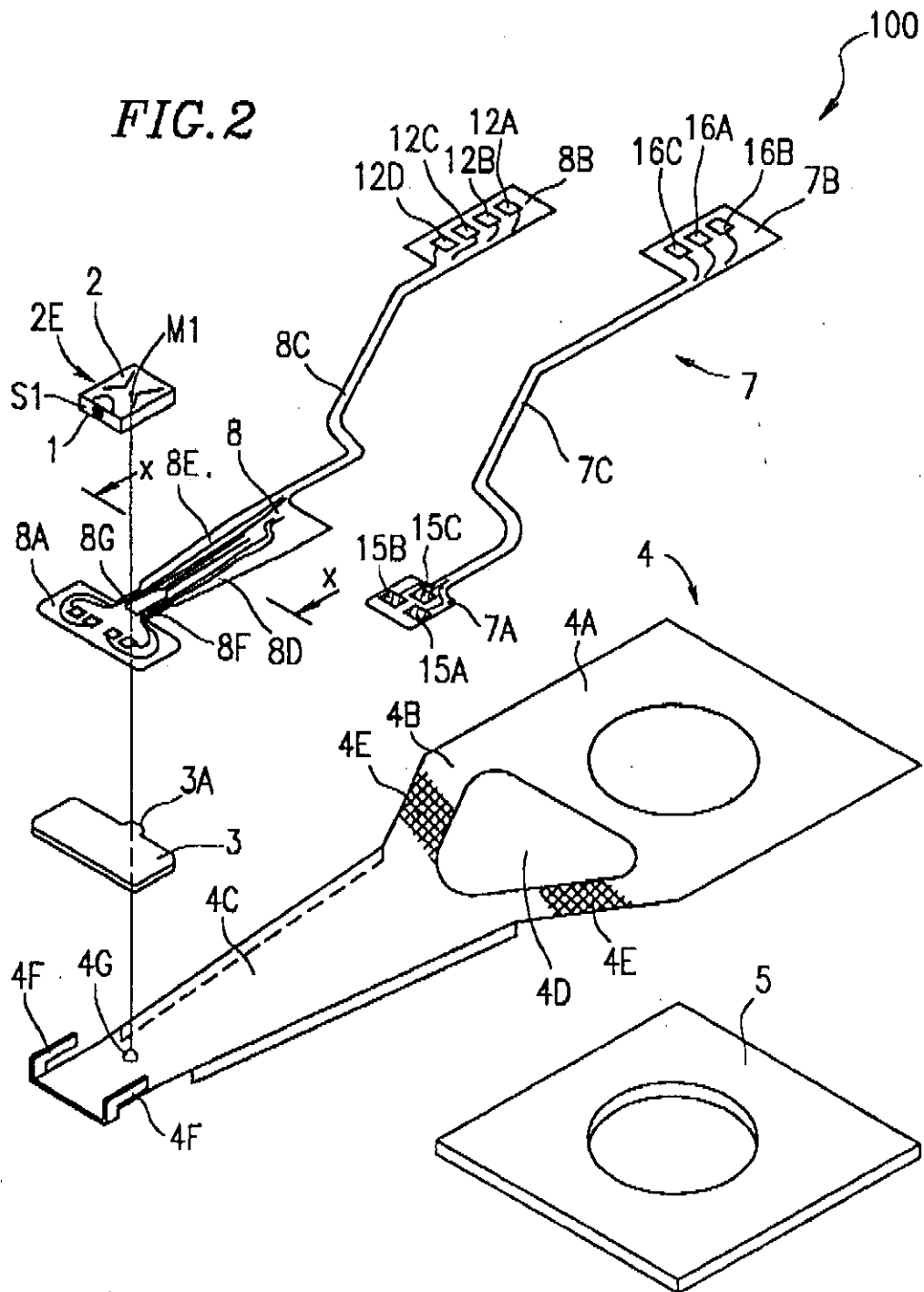
FIG. 2

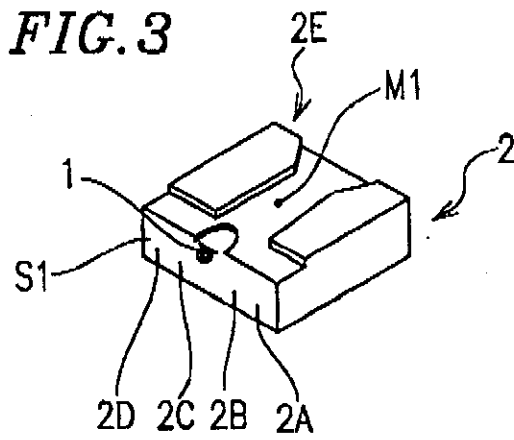
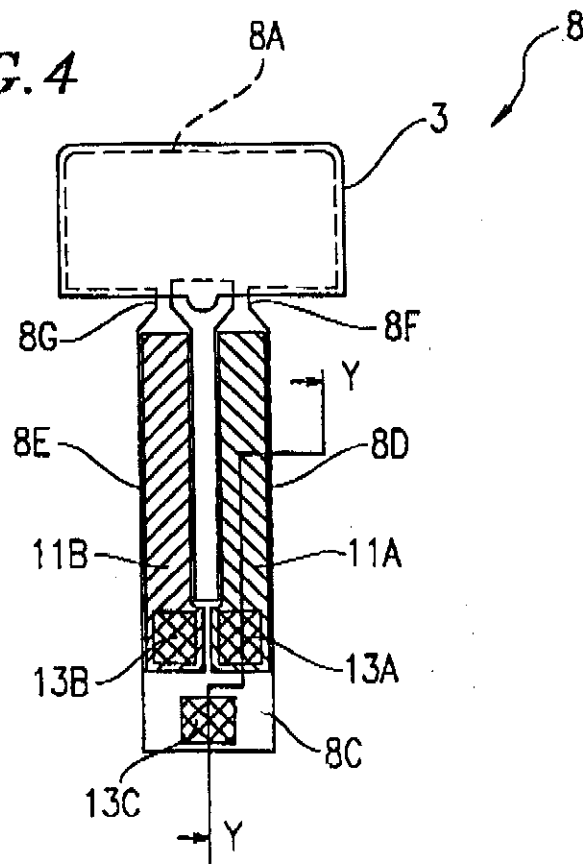
FIG. 3**FIG. 4**

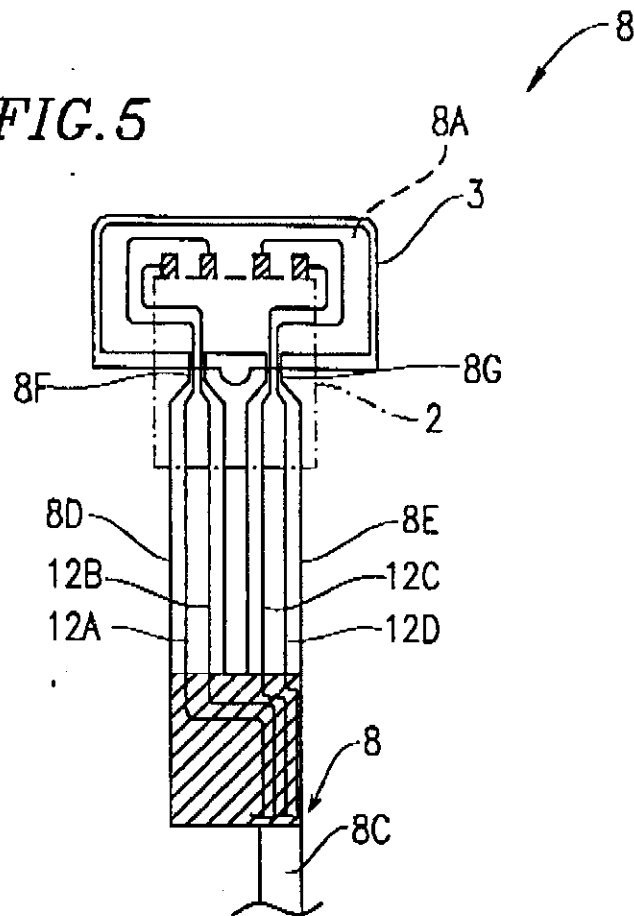
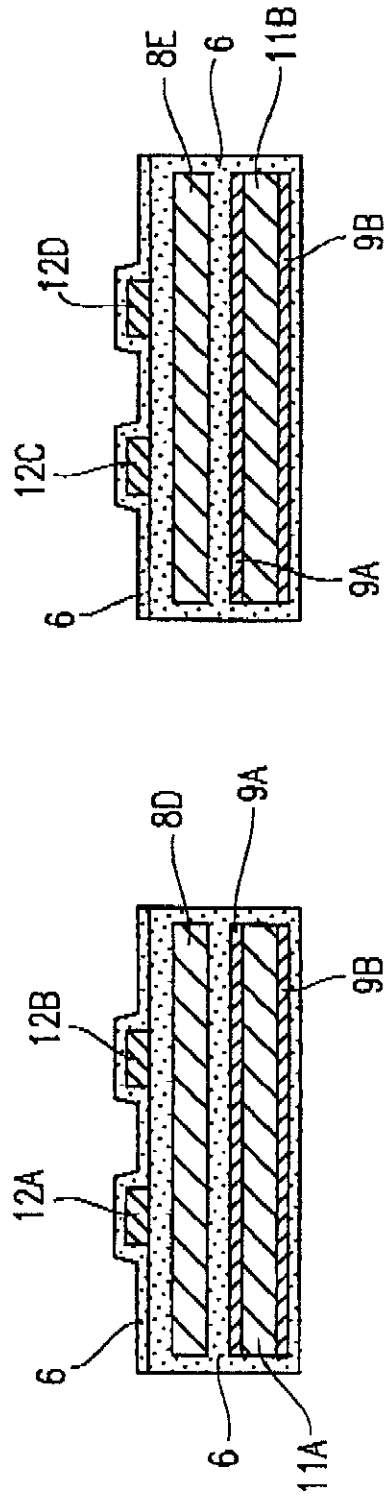
FIG. 5

FIG. 6



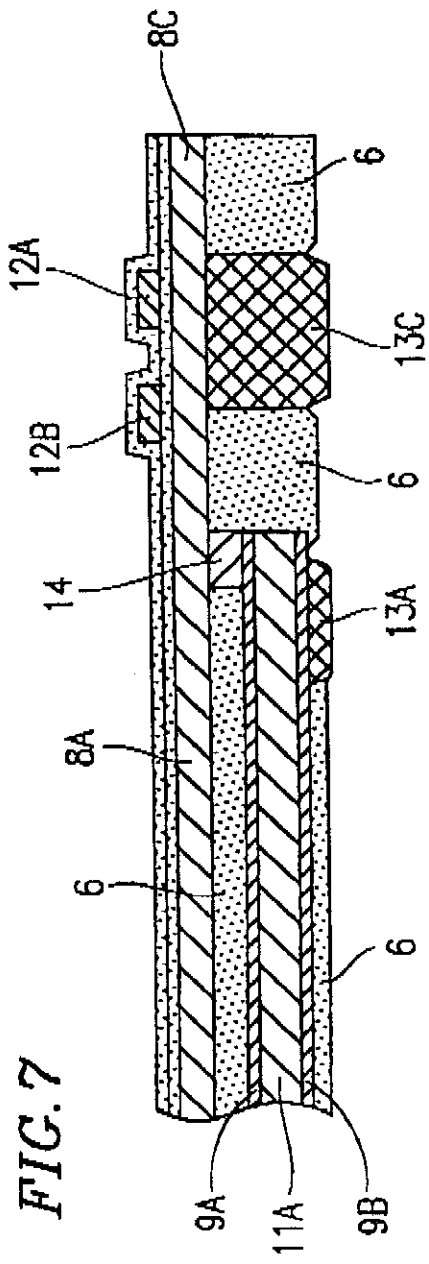


FIG. 8

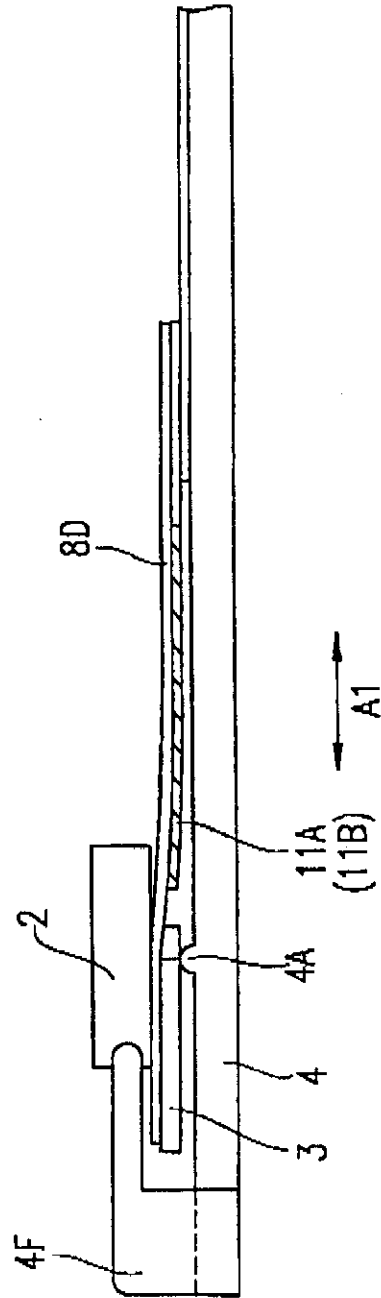
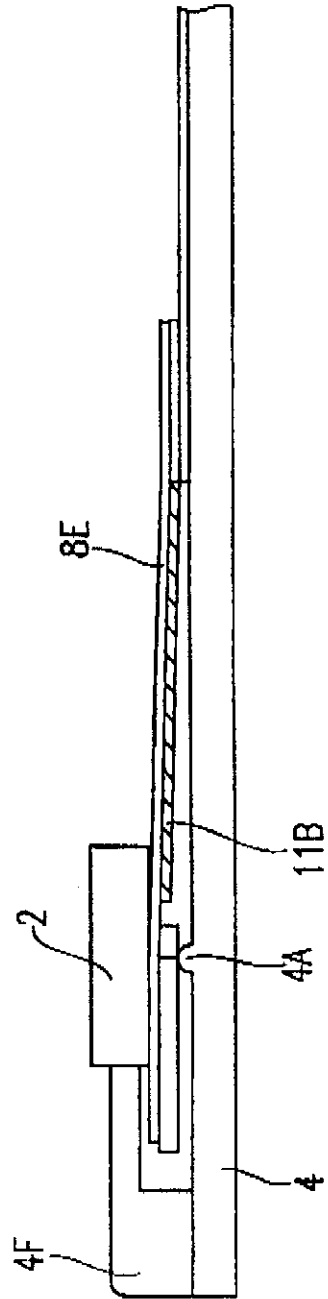


FIG. 9



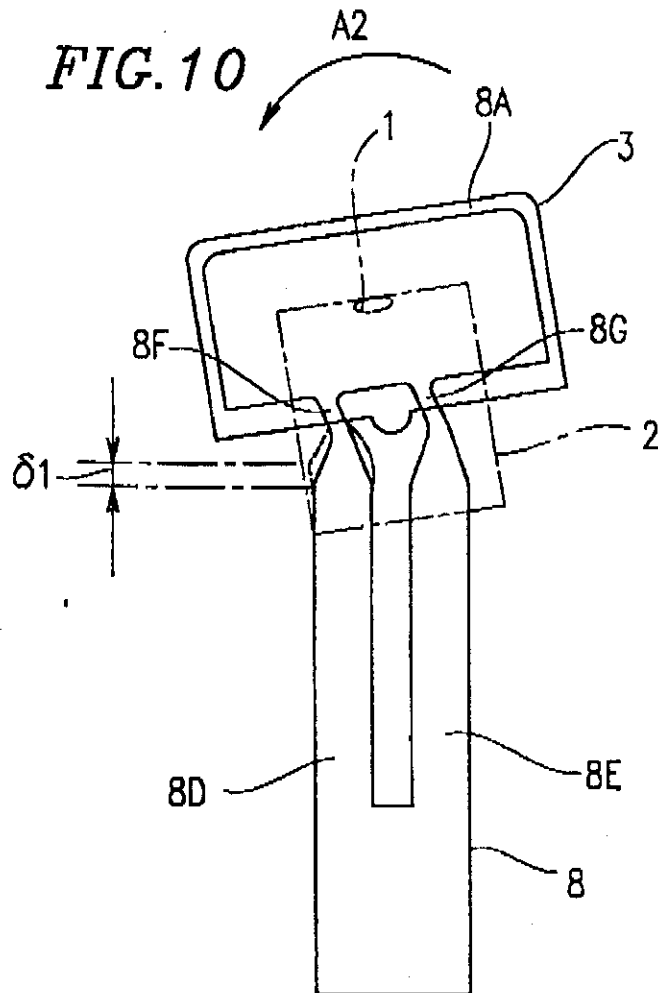


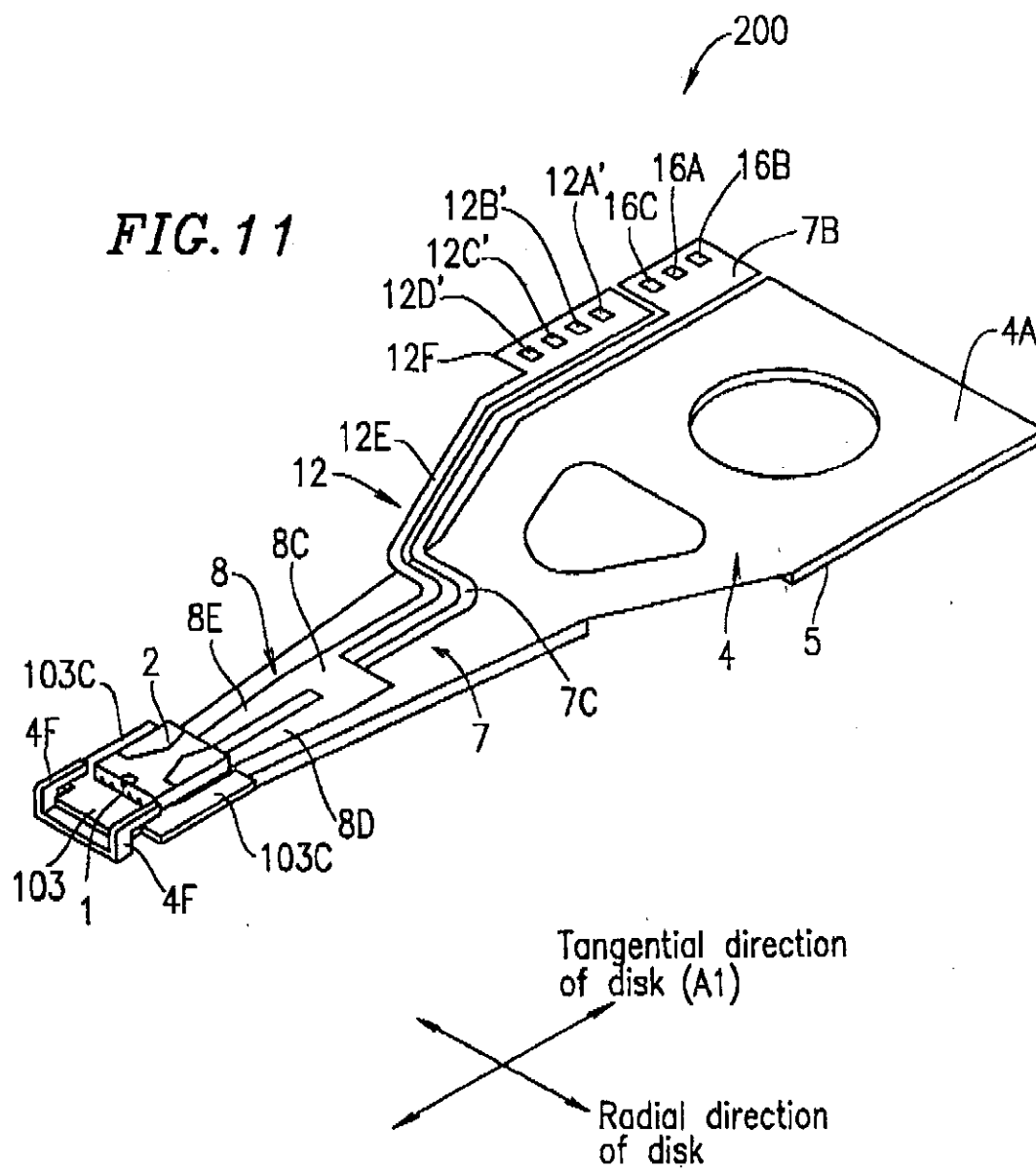
FIG. 11

FIG. 12

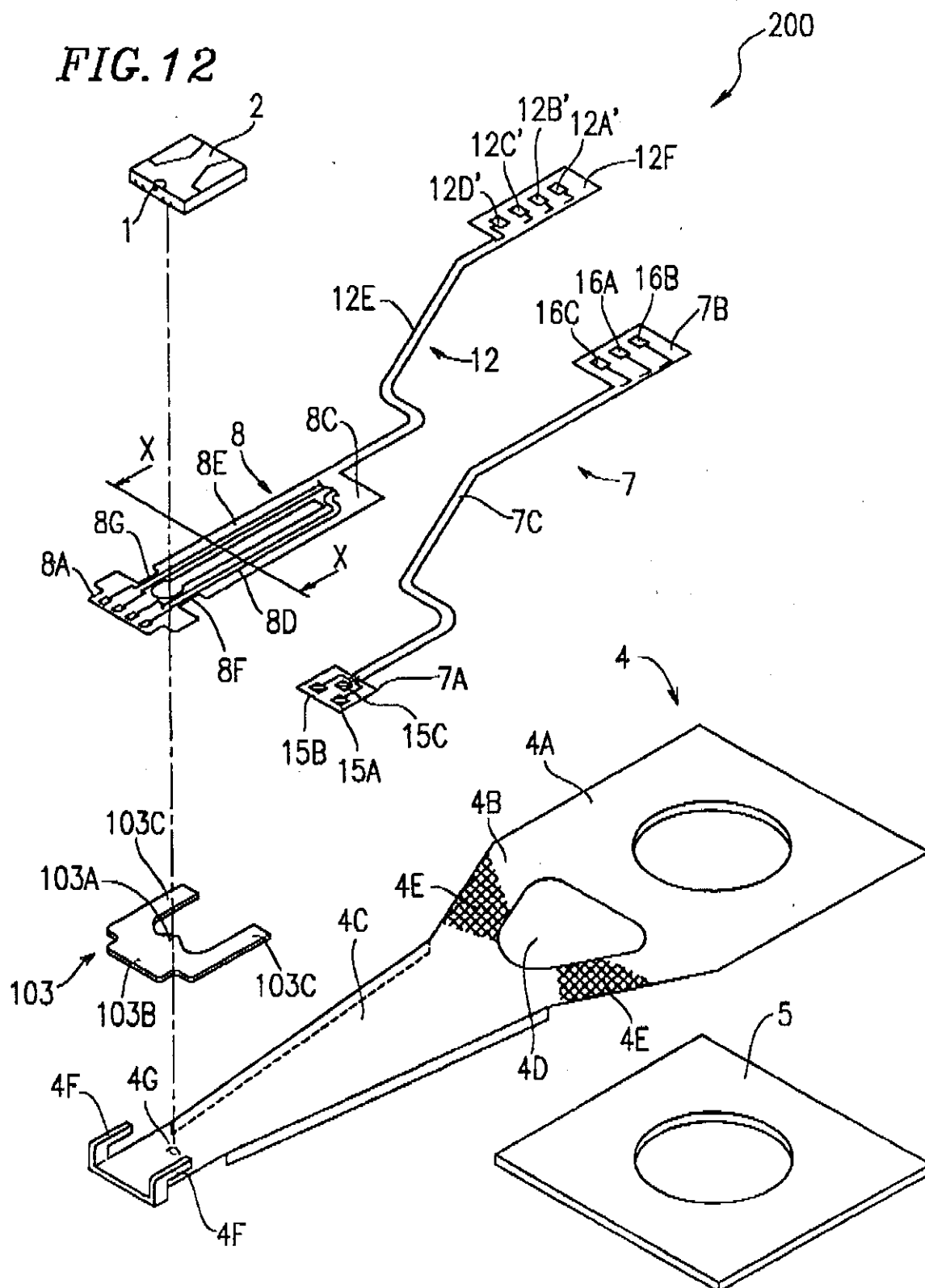


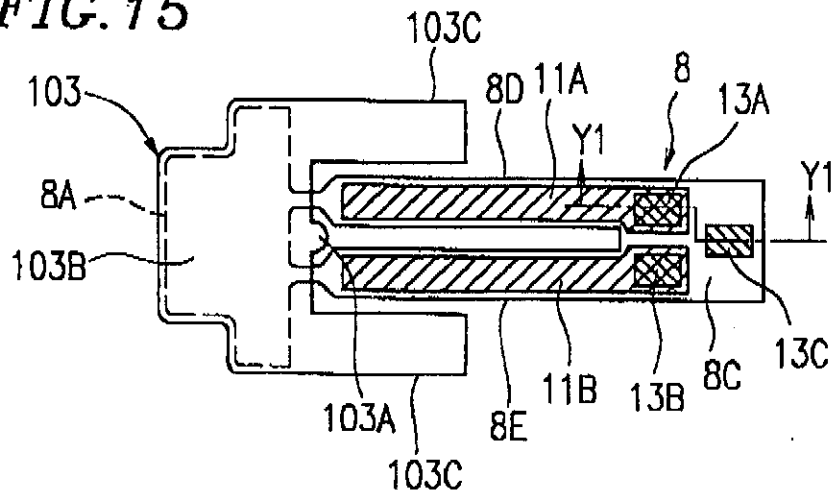
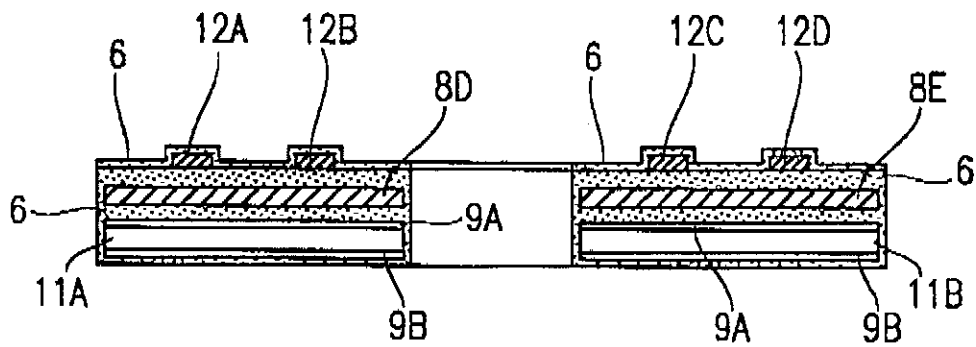
FIG. 15**FIG. 16**

FIG. 17

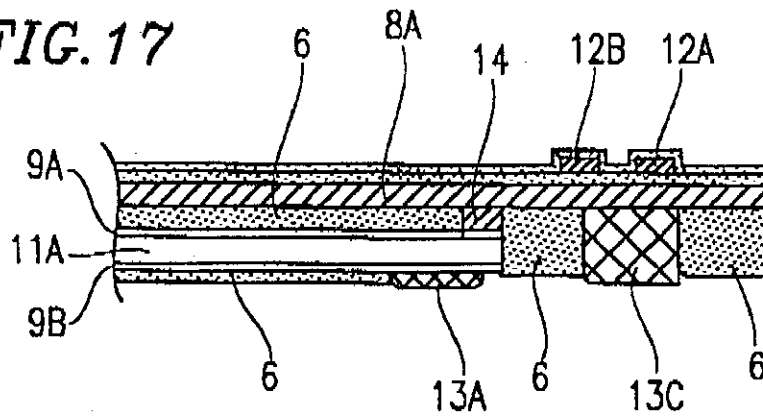


FIG. 18

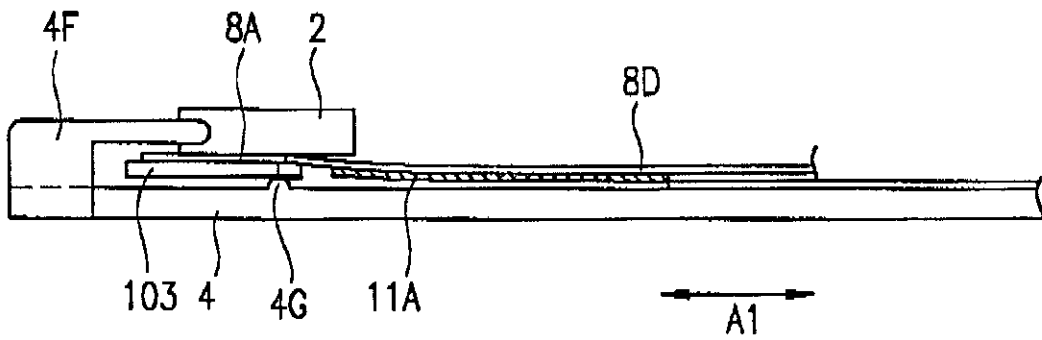


FIG. 19

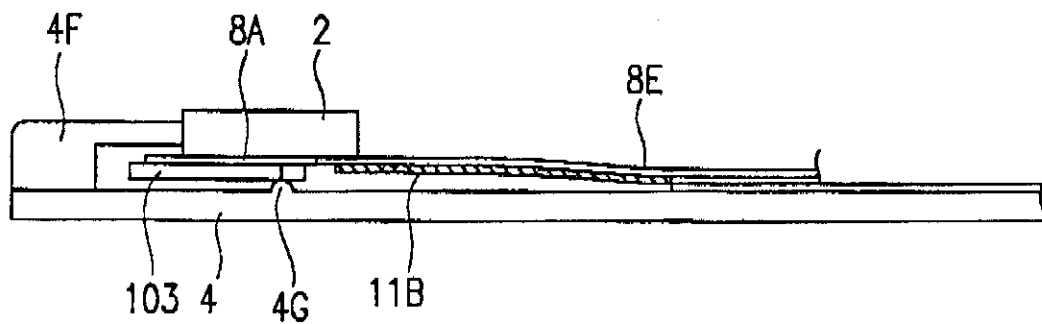


FIG. 21A

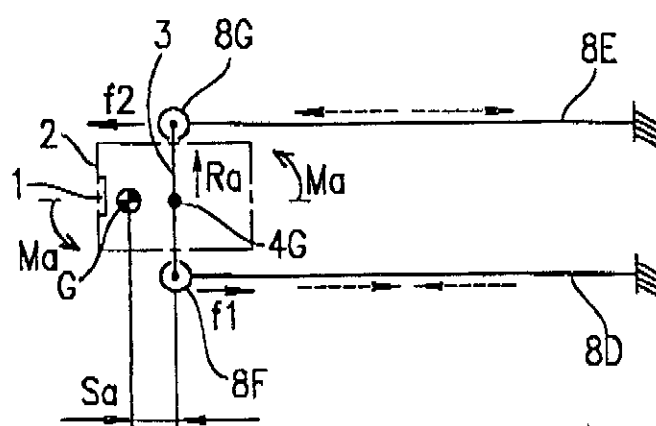
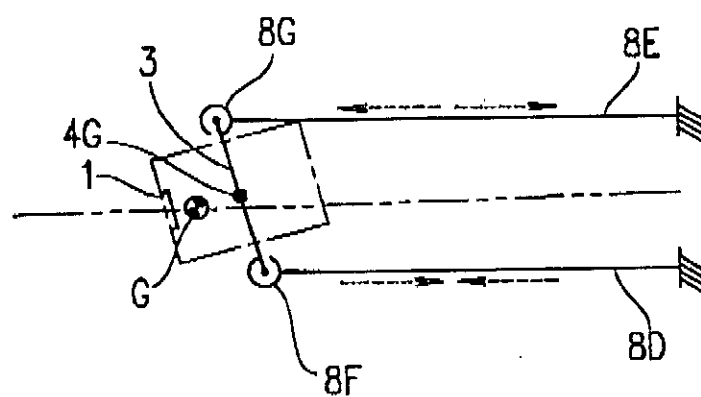


FIG. 21B



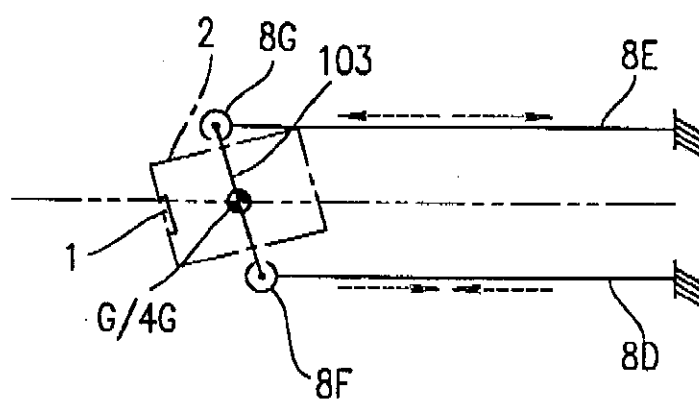
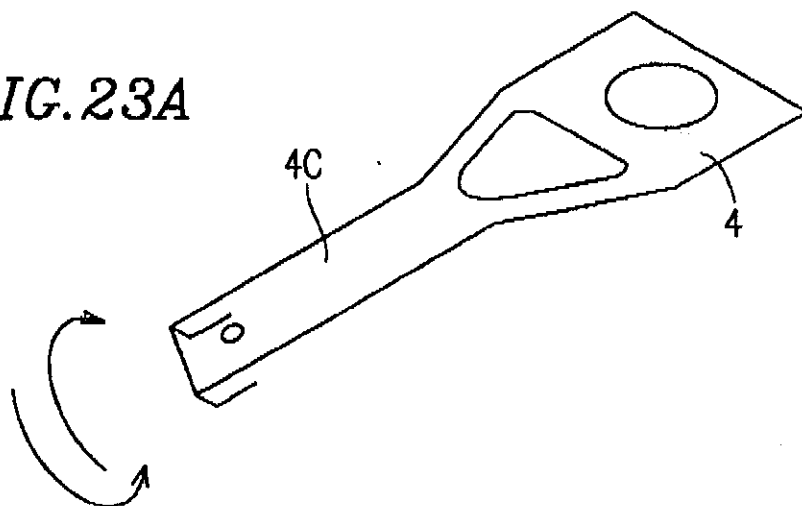
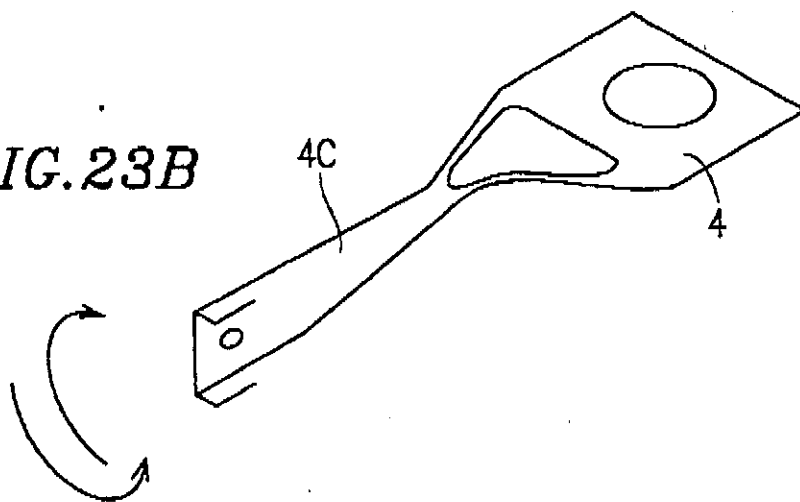
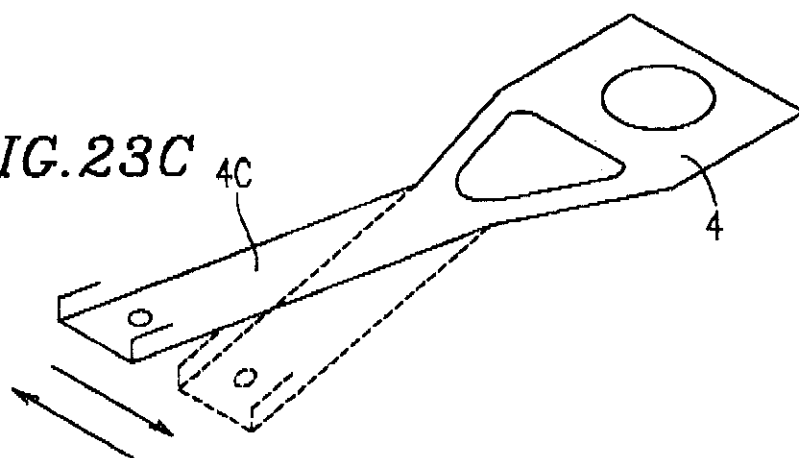
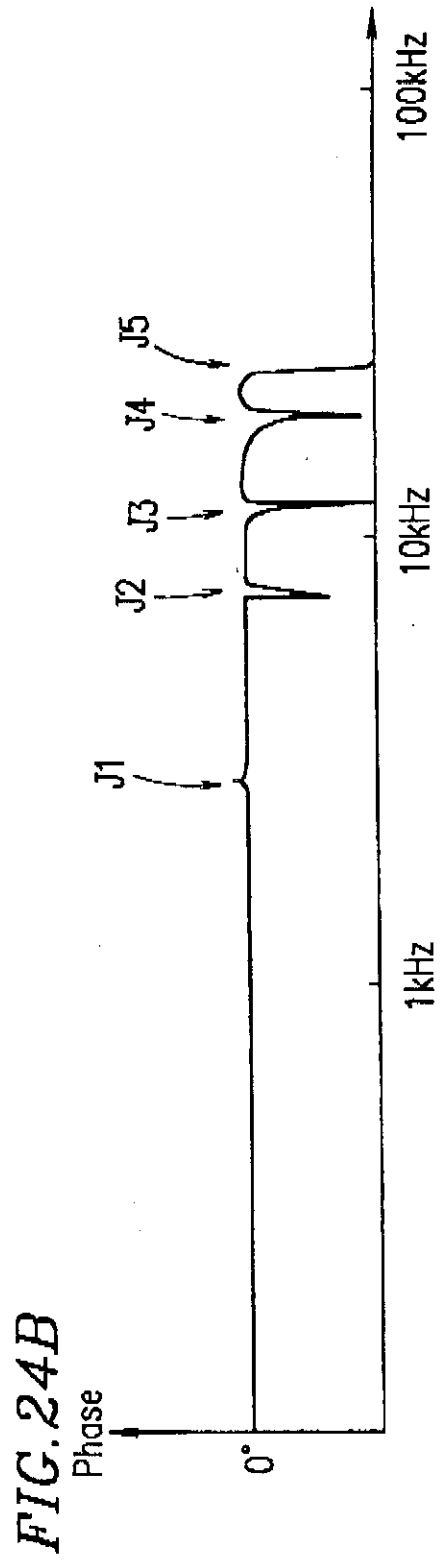
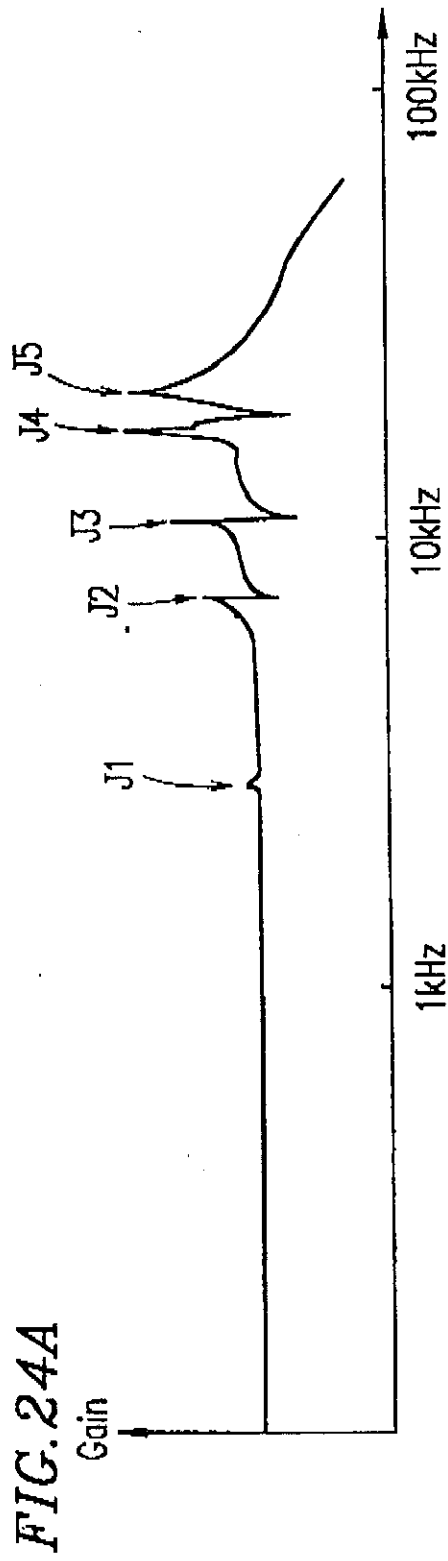


FIG. 23A*FIG. 23B**FIG. 23C*



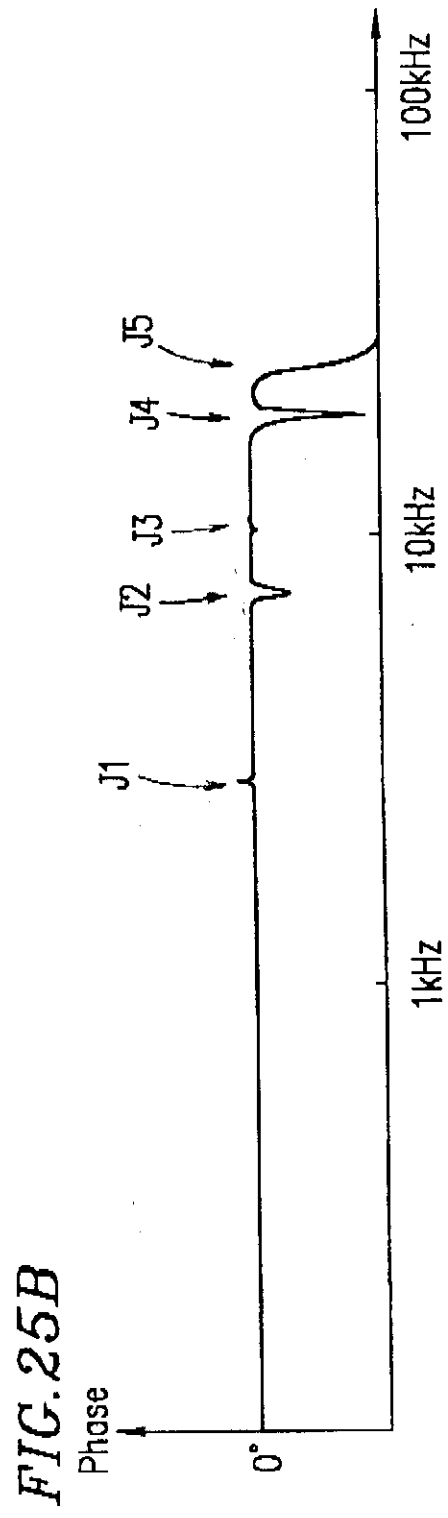
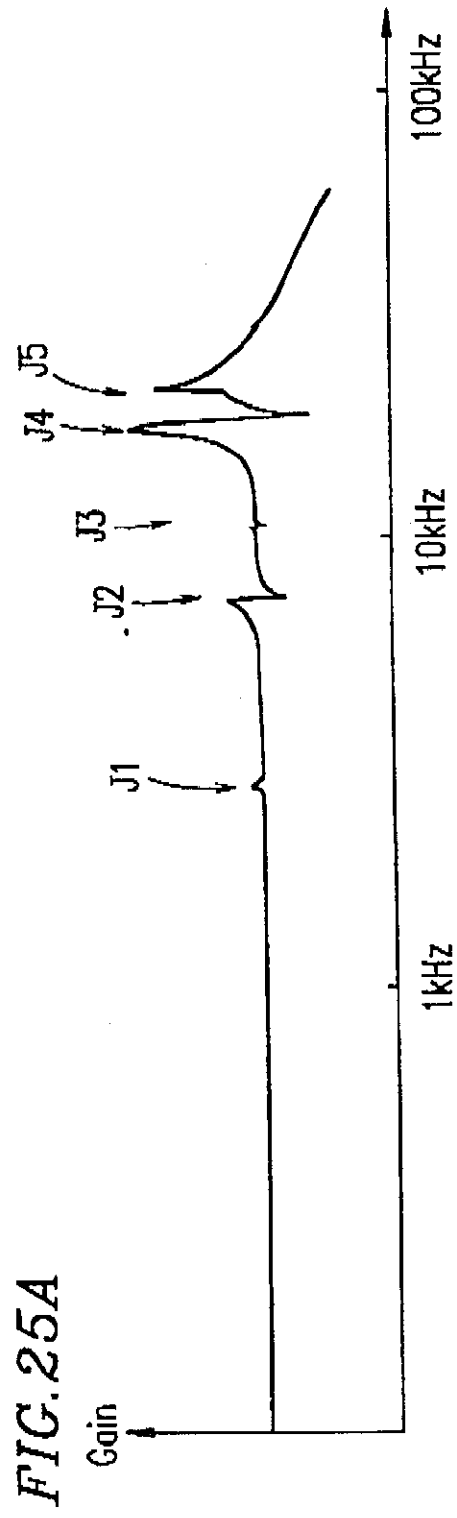


FIG. 26A

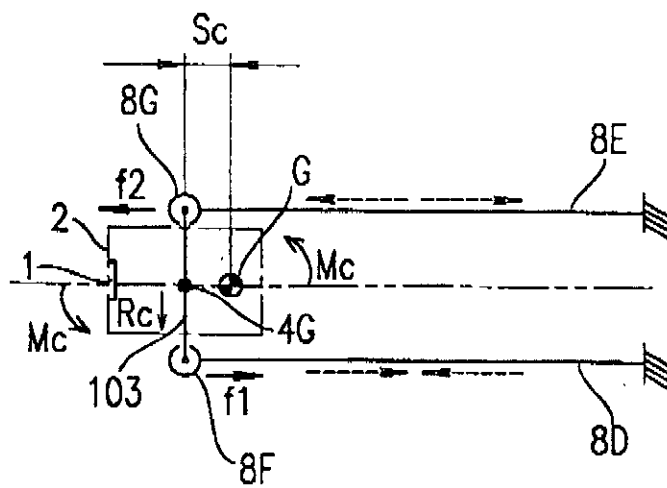


FIG. 26B

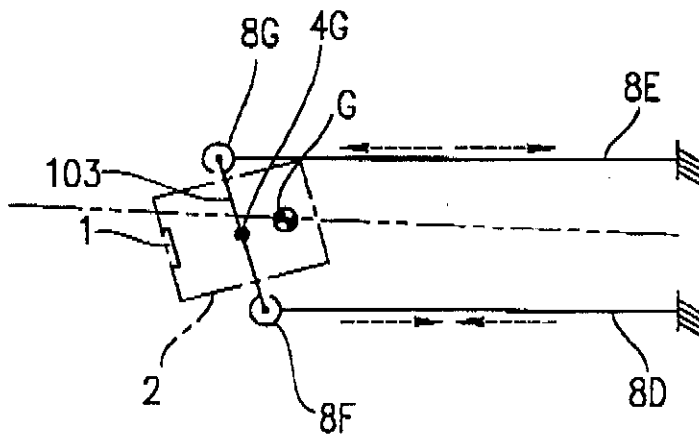


FIG. 27A

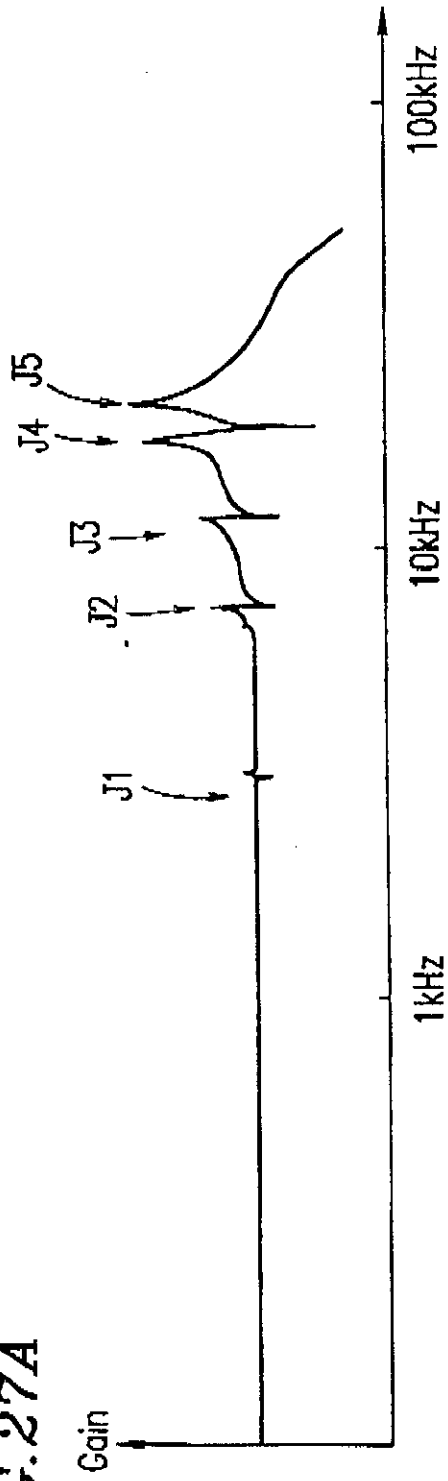
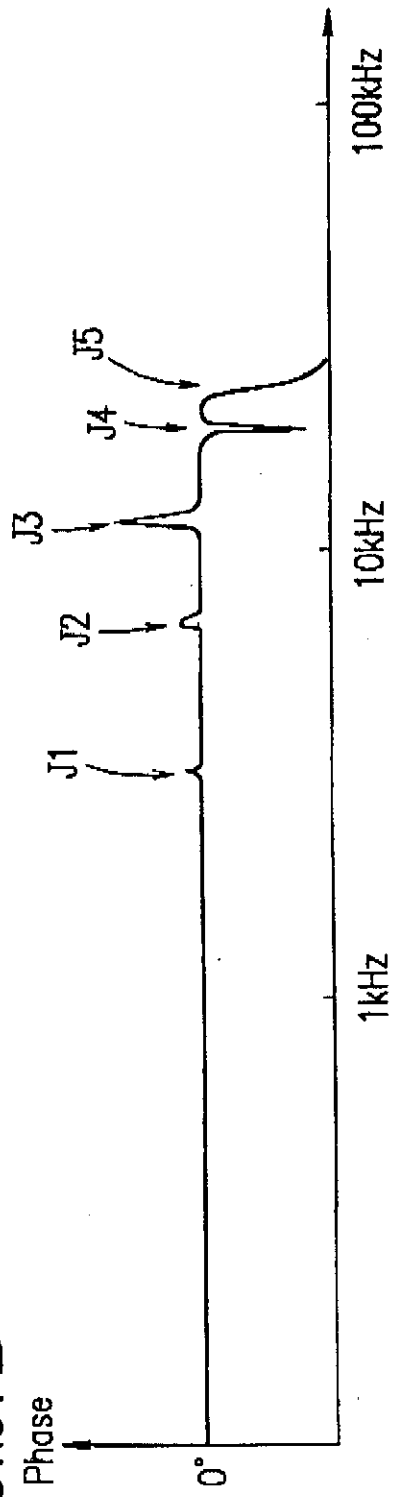
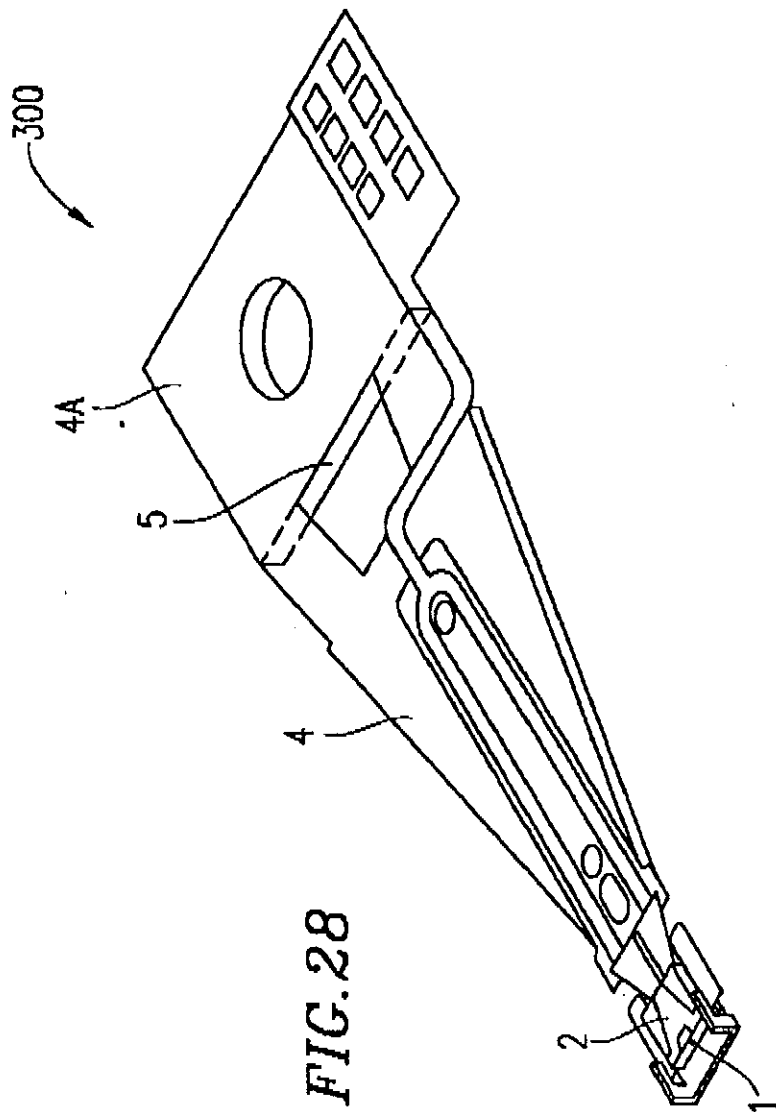


FIG. 27B





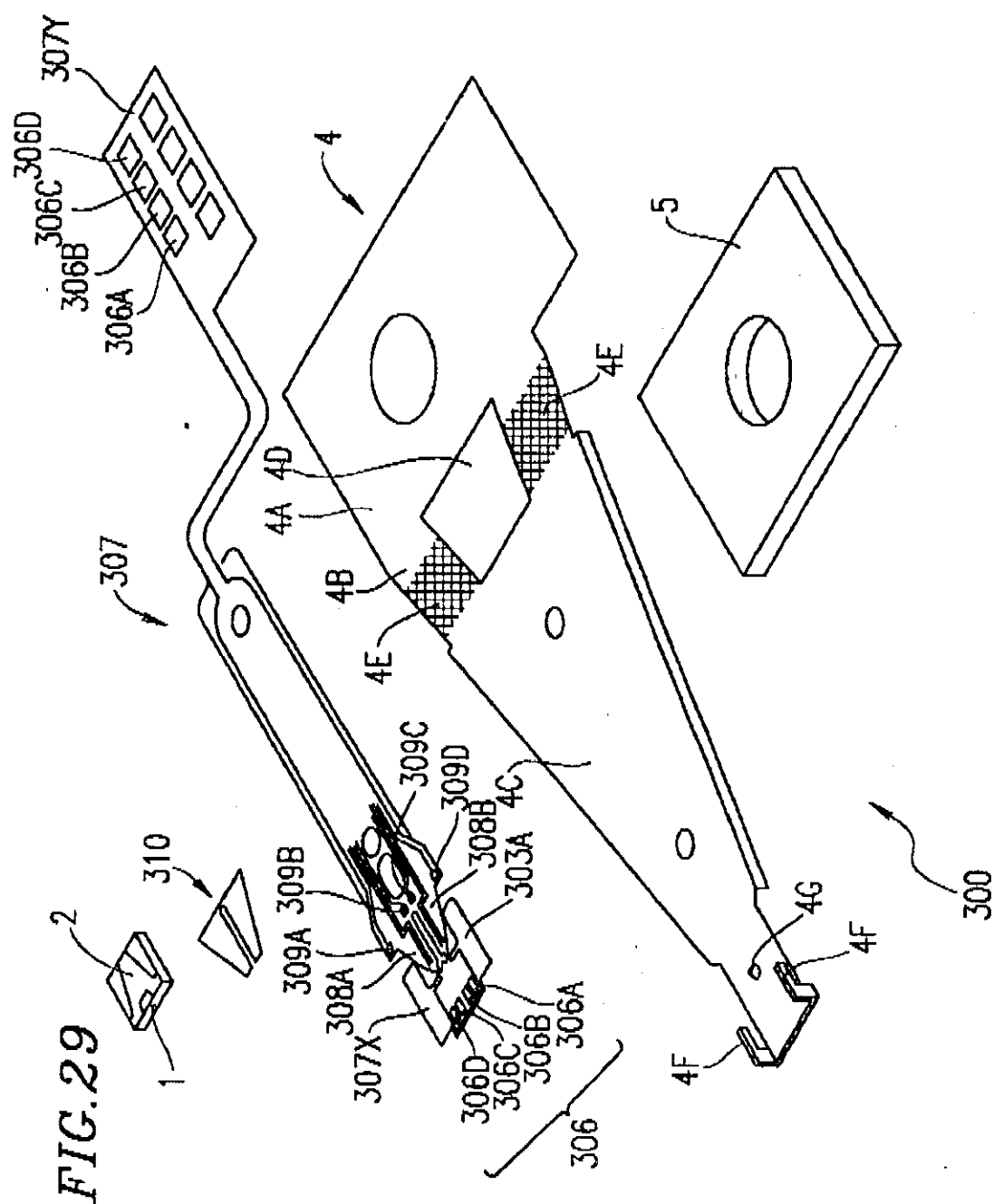


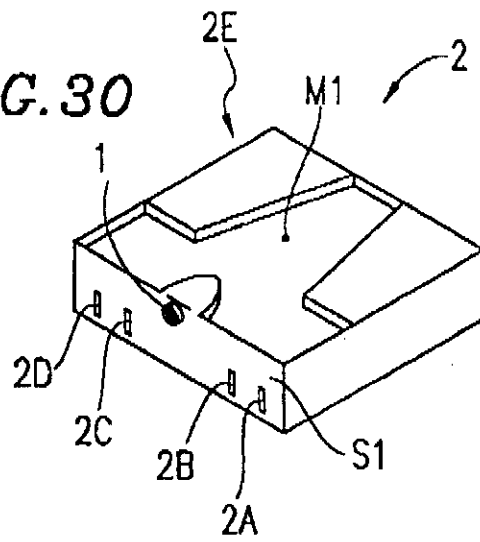
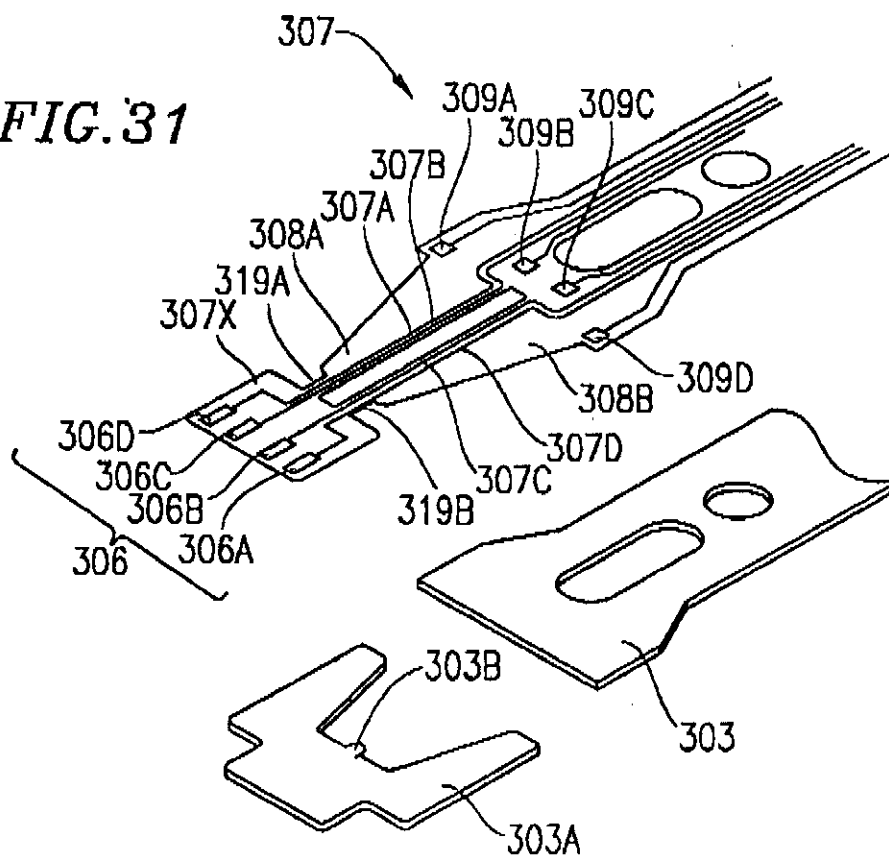
FIG. 30**FIG. 31**

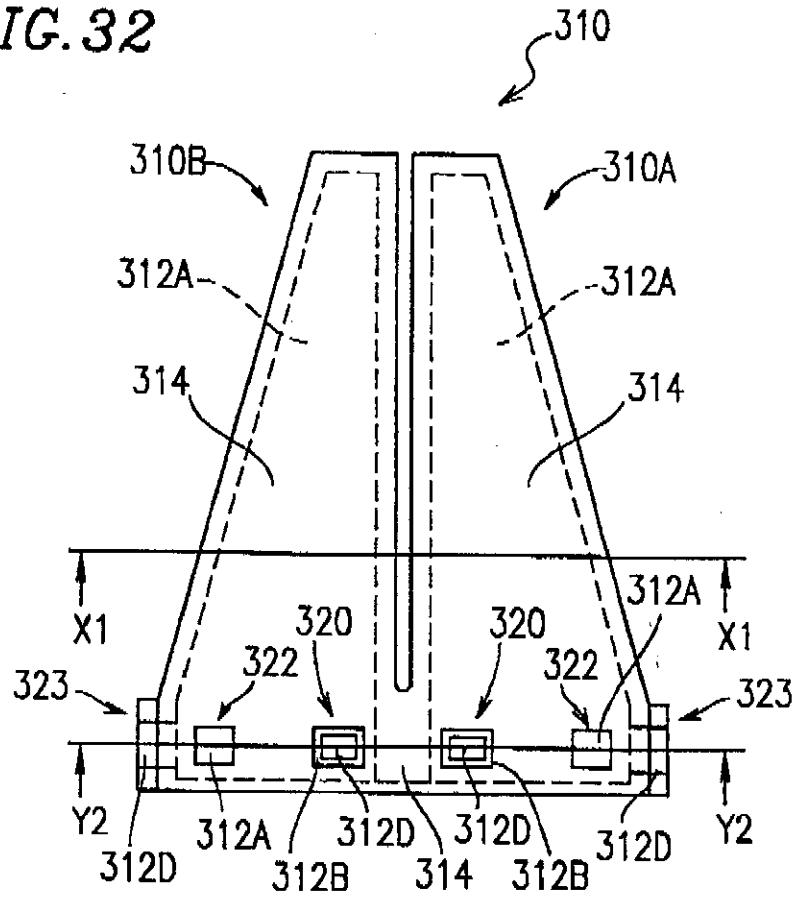
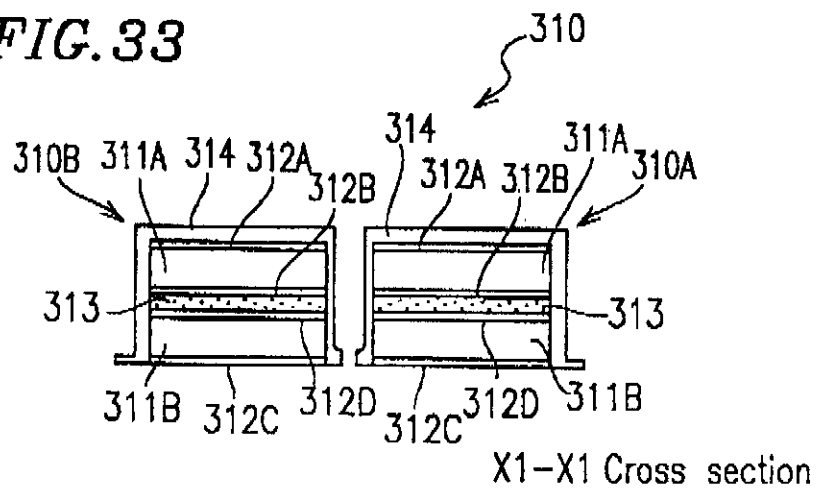
FIG. 32**FIG. 33**

FIG. 34

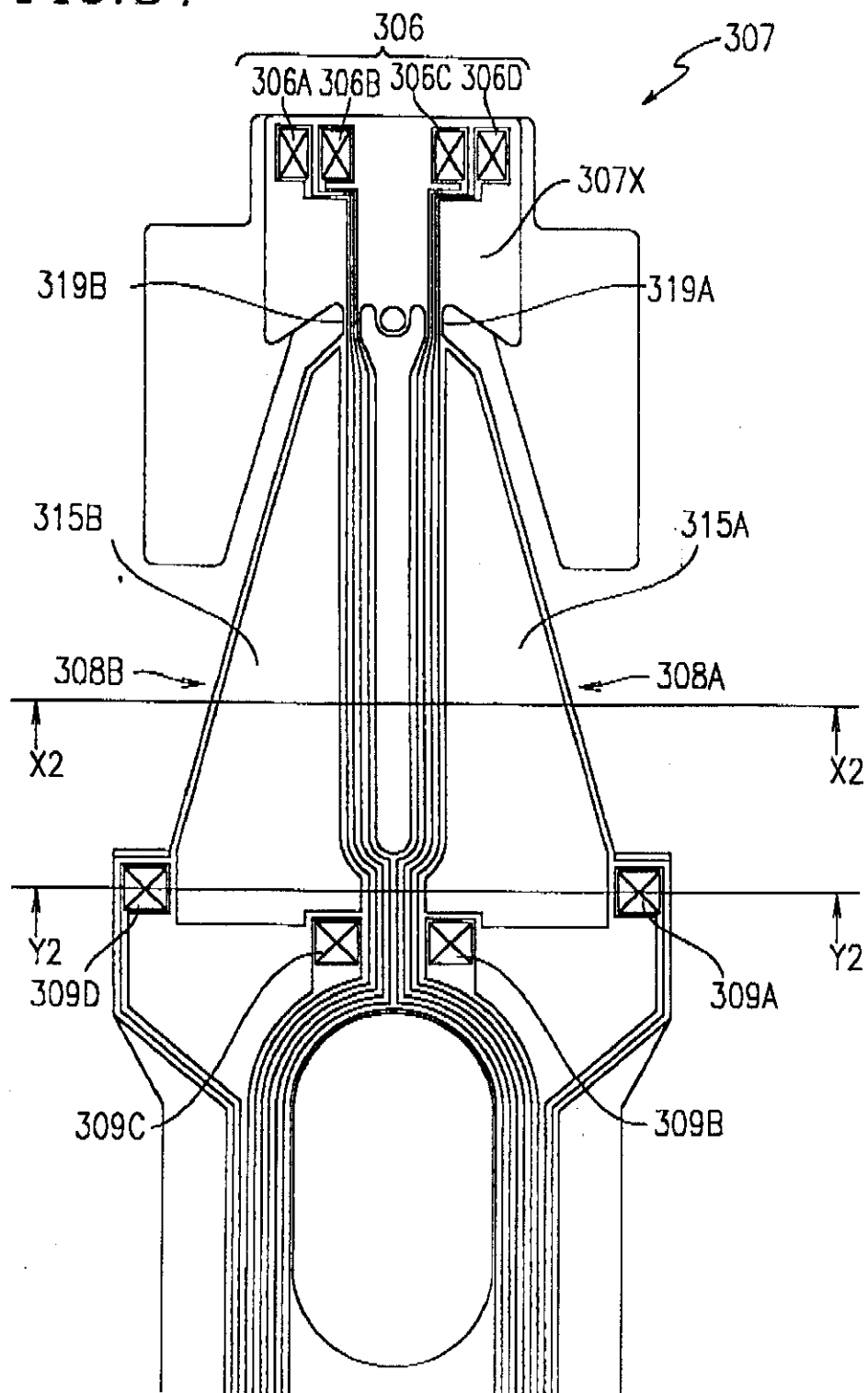
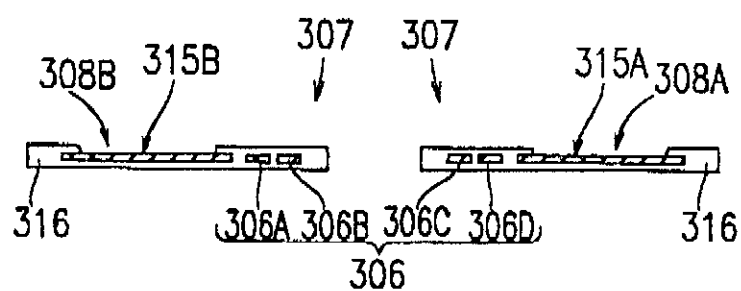


FIG. 35



X2-X2 Cross section

FIG. 36

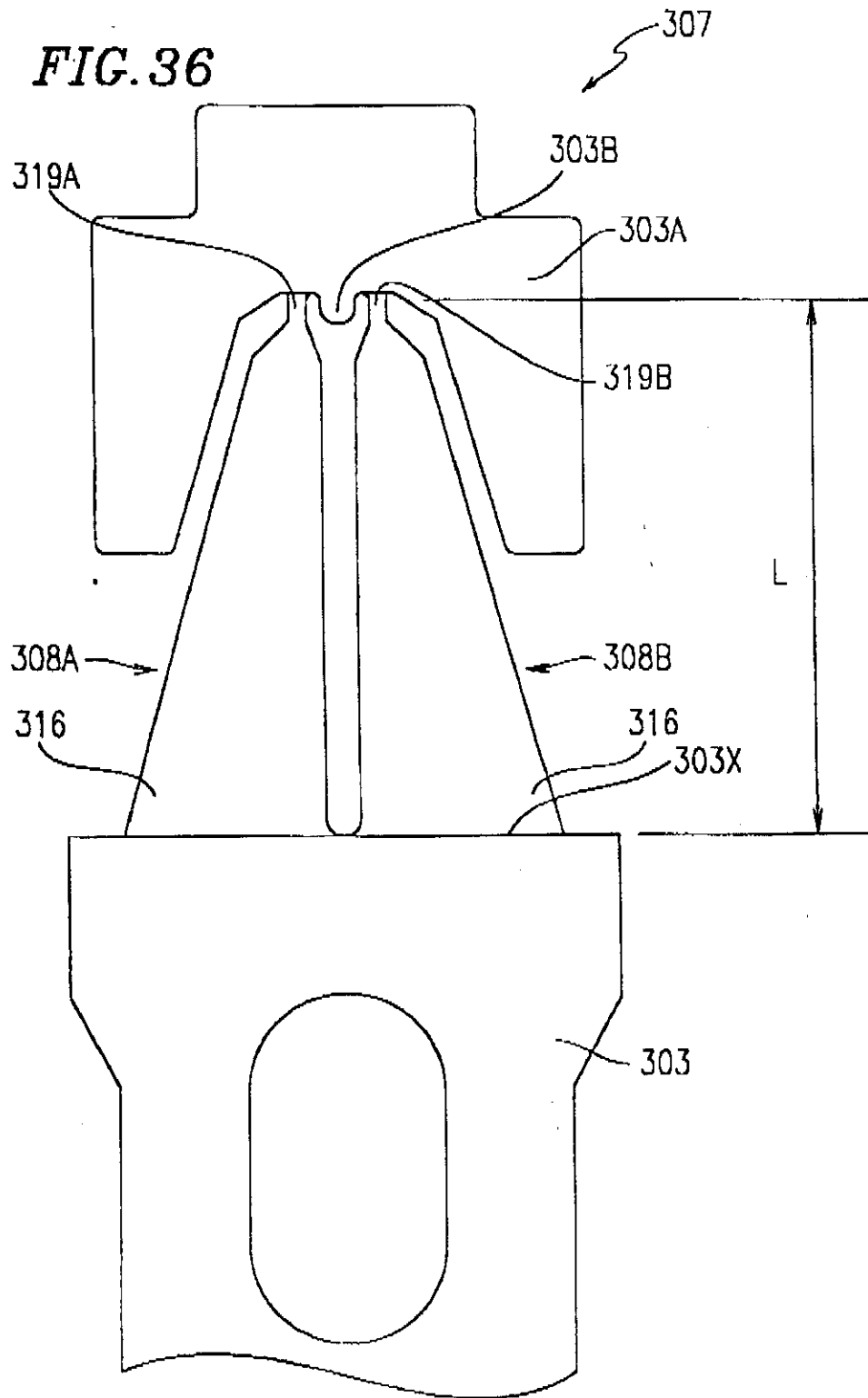


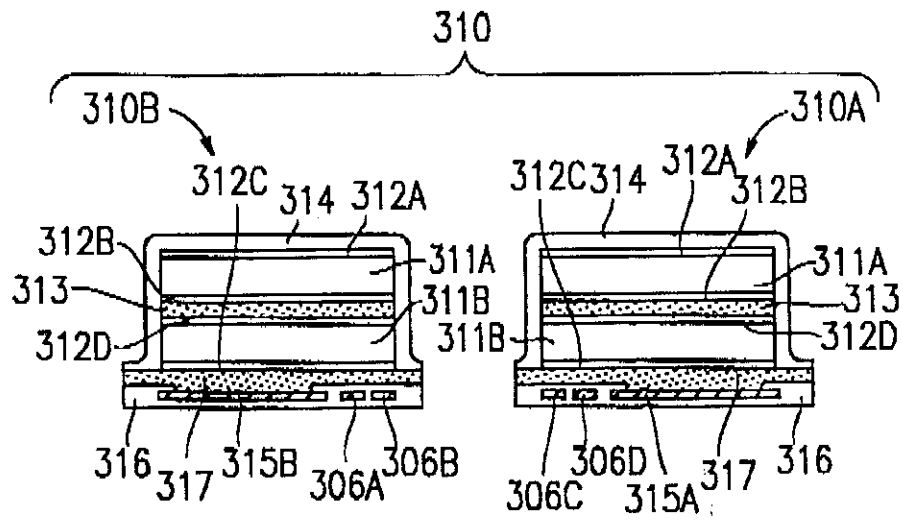
FIG. 37

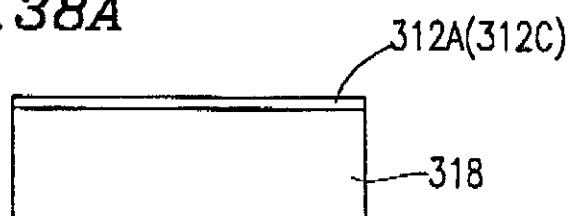
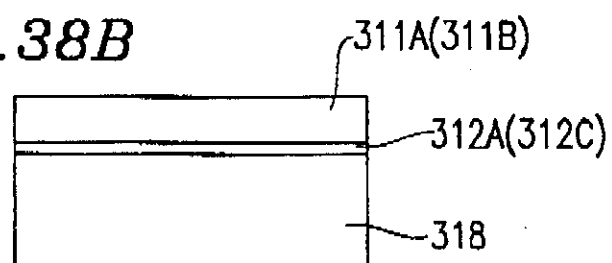
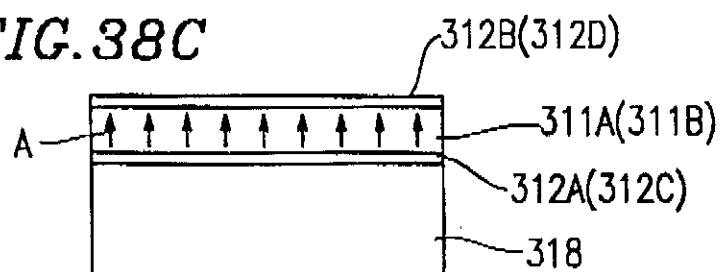
FIG. 38A**FIG. 38B****FIG. 38C**

FIG. 39A

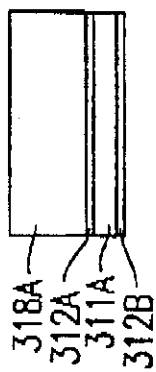


FIG. 39B

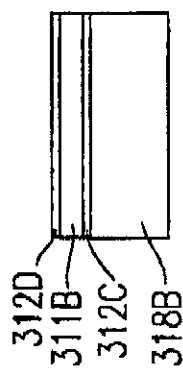


FIG. 39E

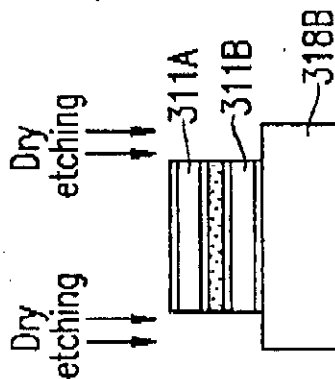


FIG. 39C

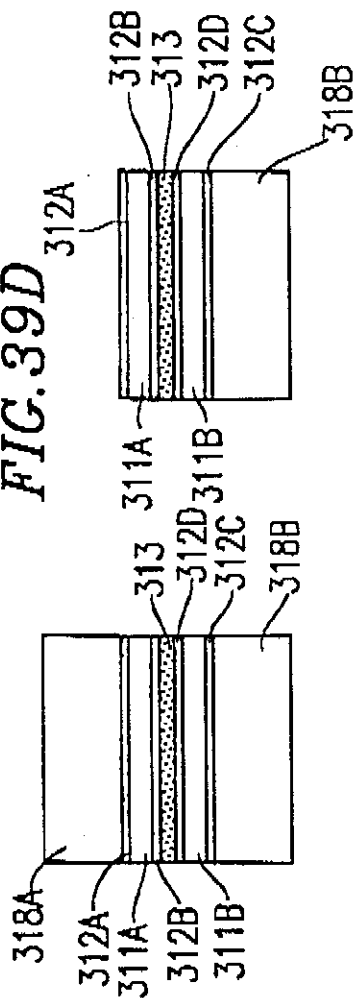


FIG. 39D

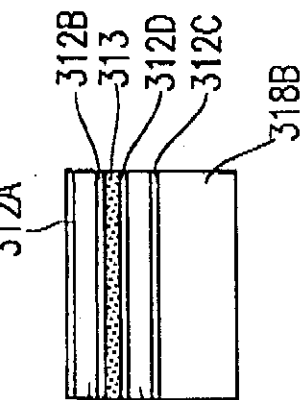


FIG. 39F

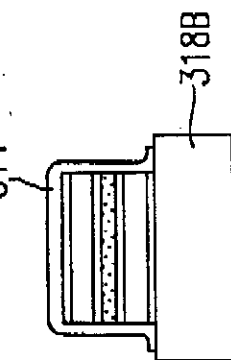


FIG. 39G



FIG. 40

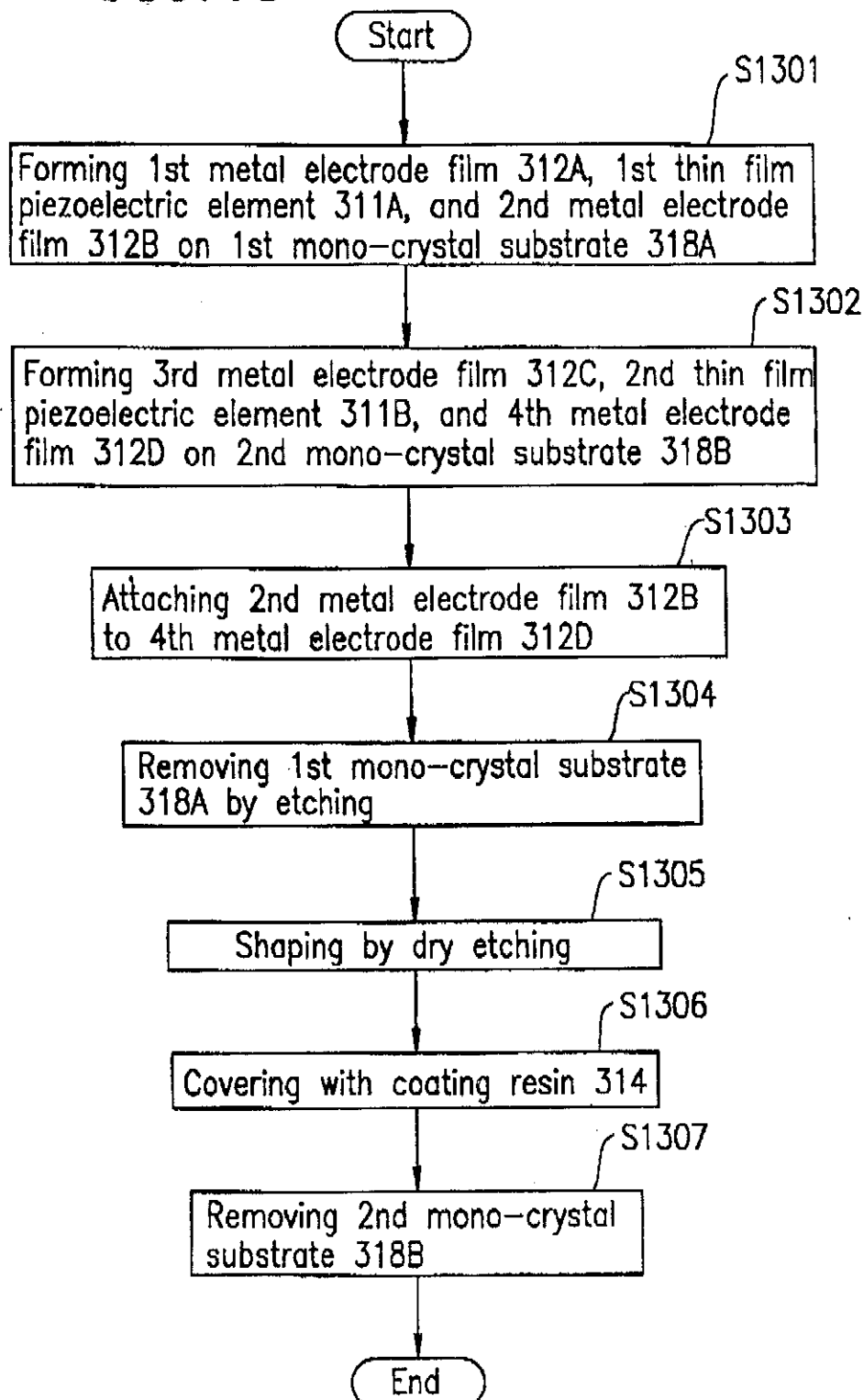


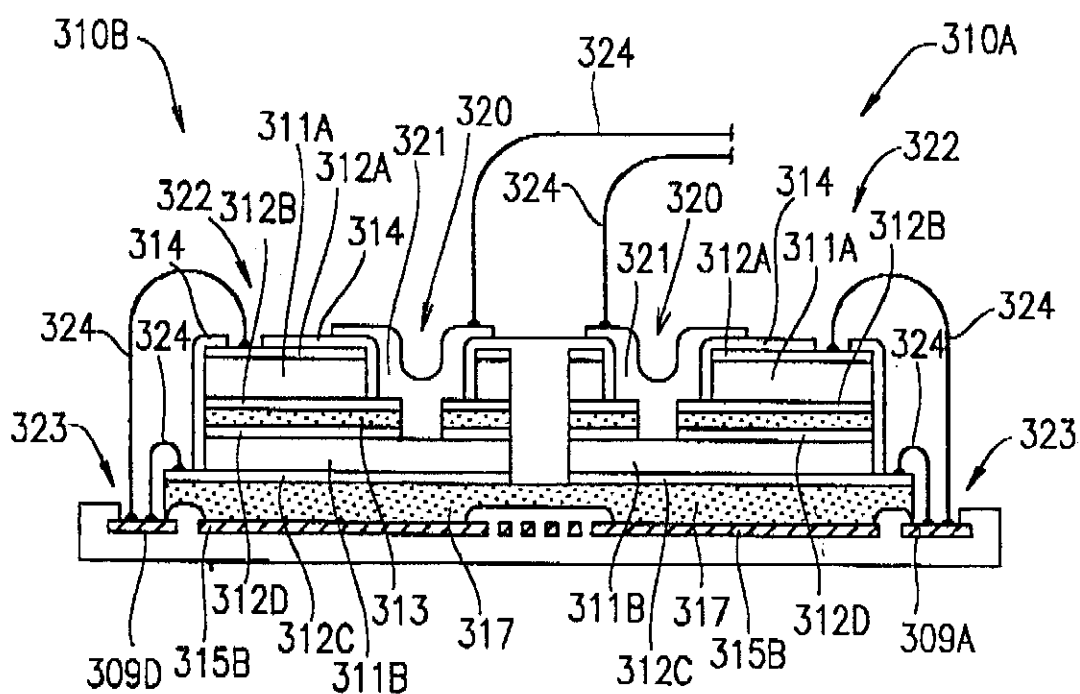
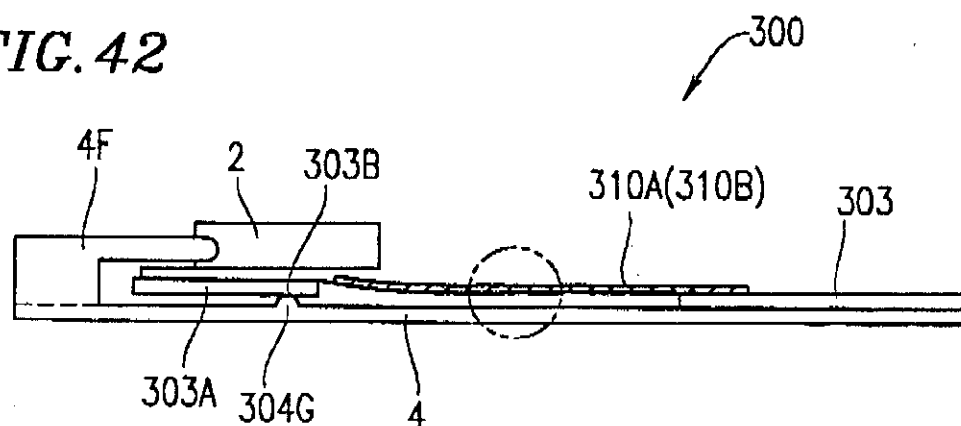
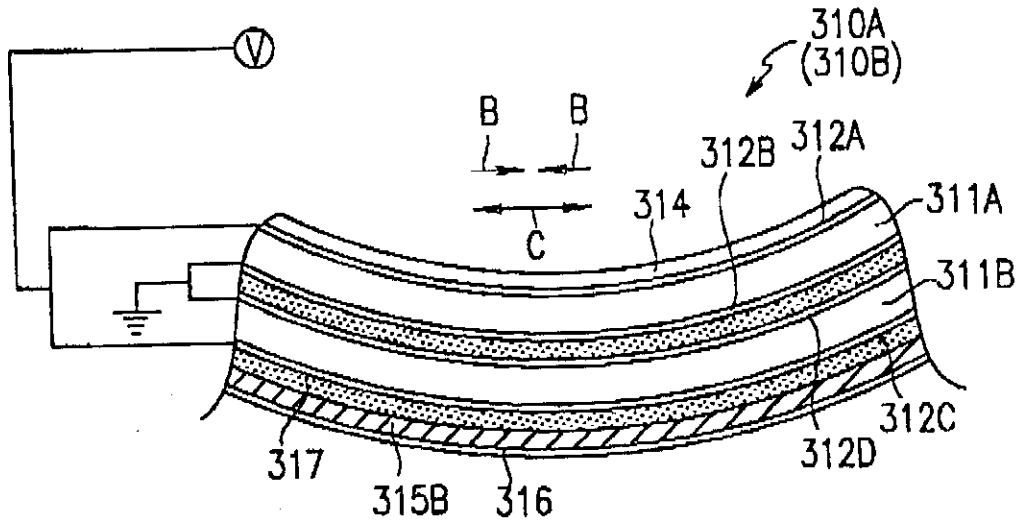
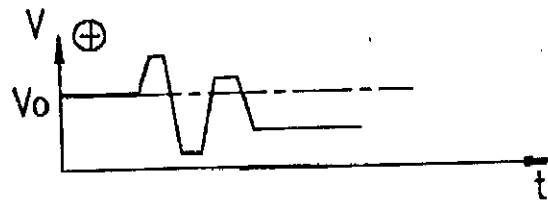
FIG. 41**FIG. 42**

FIG. 43A**FIG. 43B**

Voltage applied to
thin film piezoelectric
terminal 309A

**FIG. 43C**

Voltage applied to
thin film piezoelectric
terminal 309D

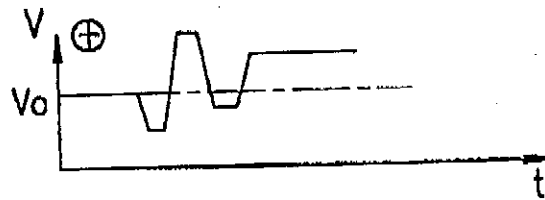


FIG. 44A

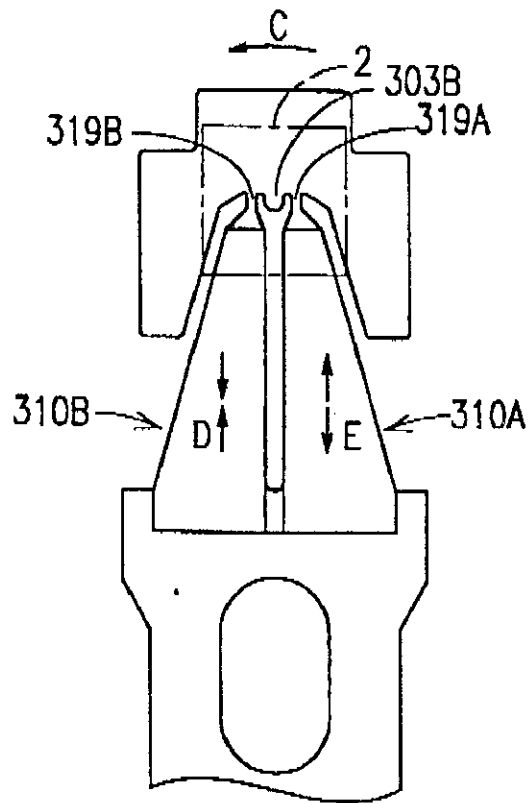
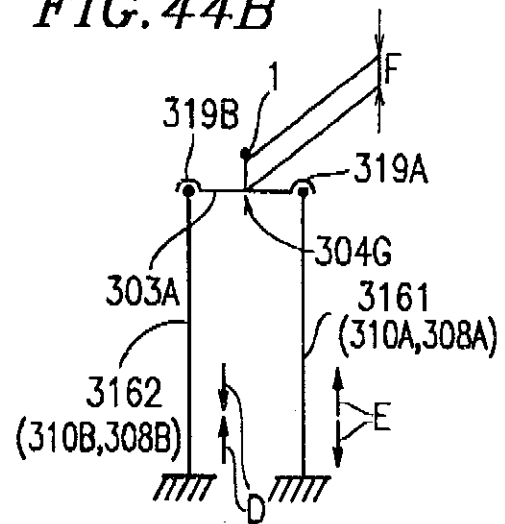


FIG. 44B



400

