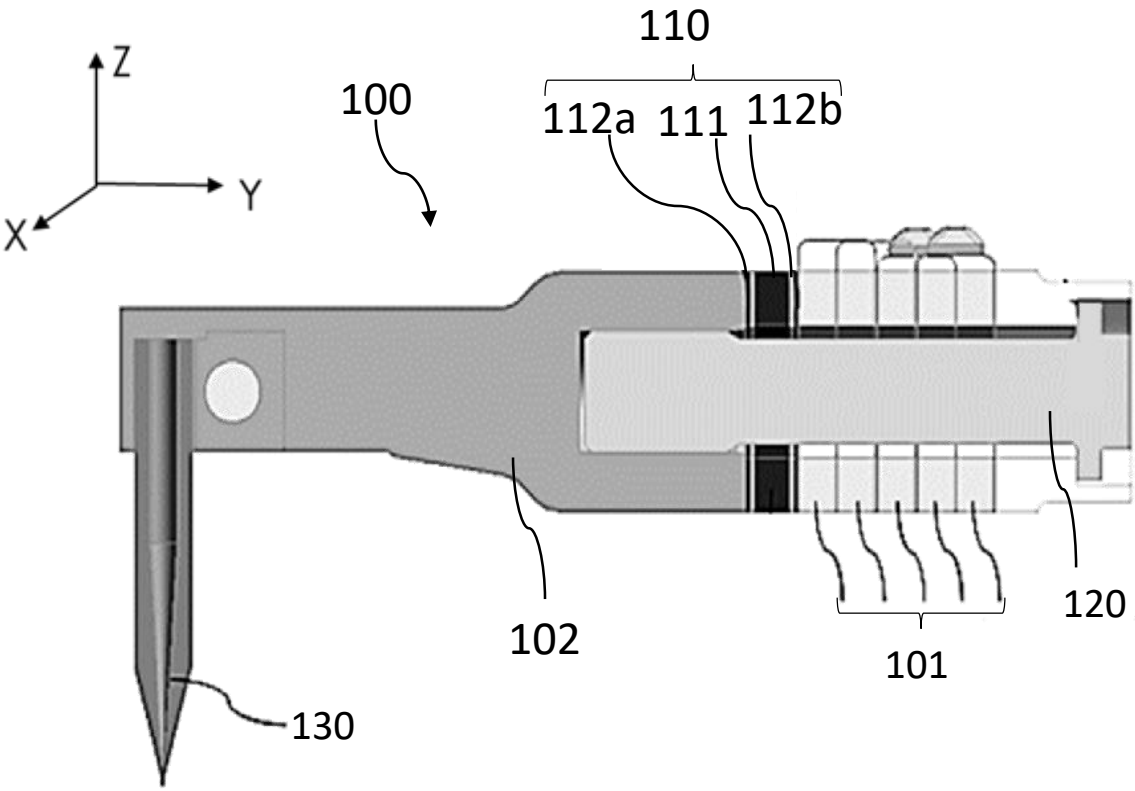


FIG. 1A

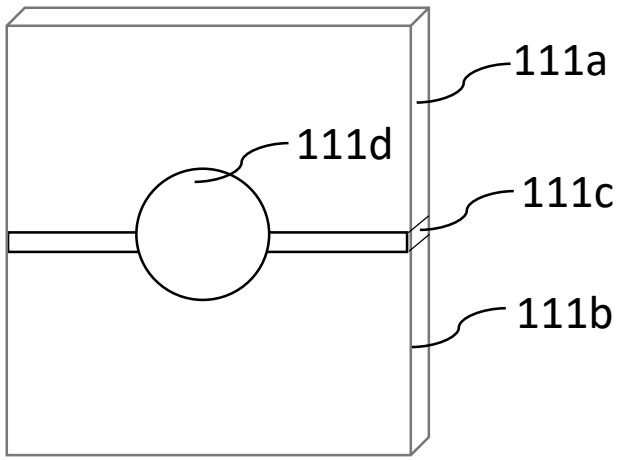


FIG. 1B

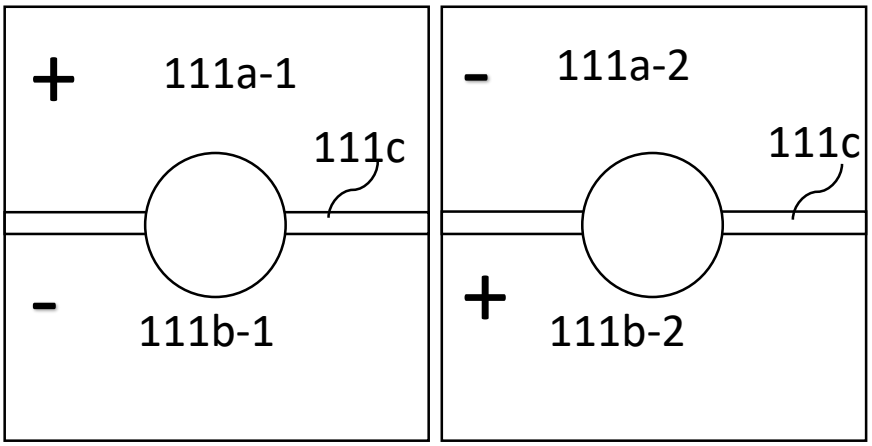

+
111a-1
111c
-
111b-1
-
111a-2
111c
+
111b-2

FIG. 1C

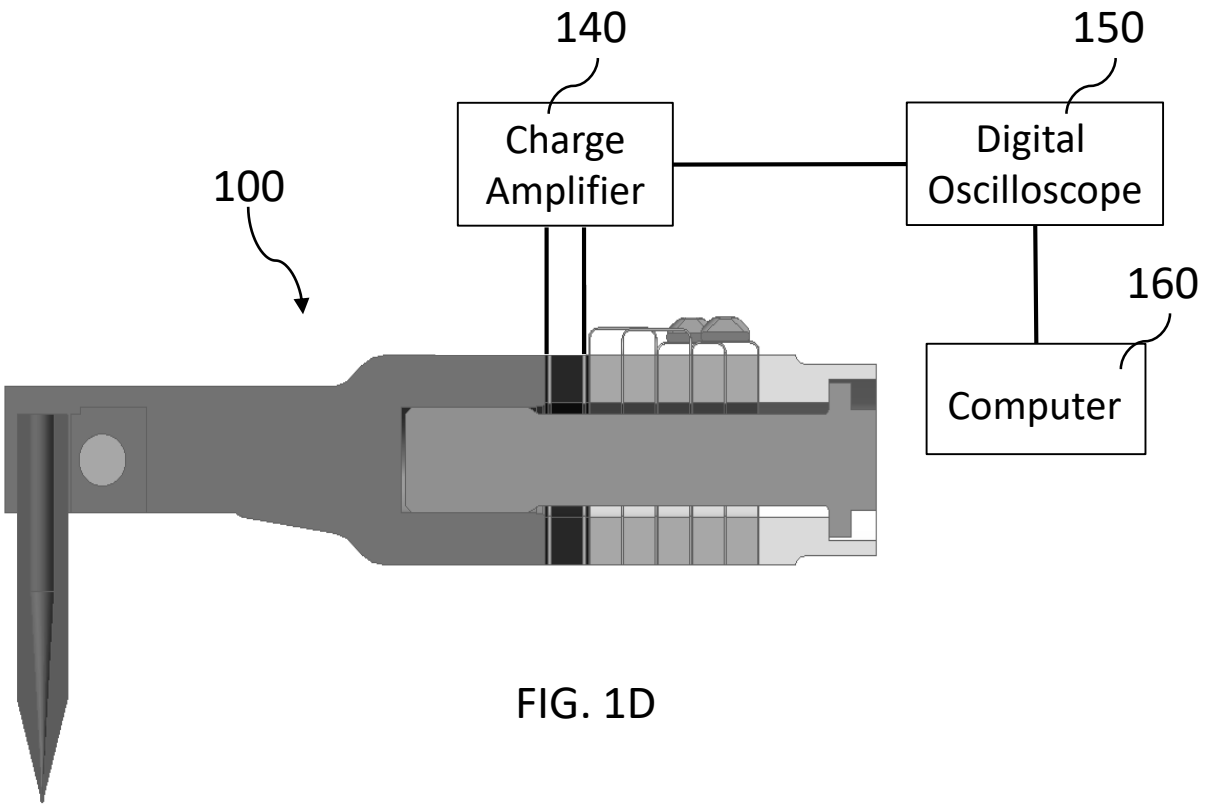

140
150
Charge Amplifier
Digital Oscilloscope
100
160
Computer

FIG. 1D

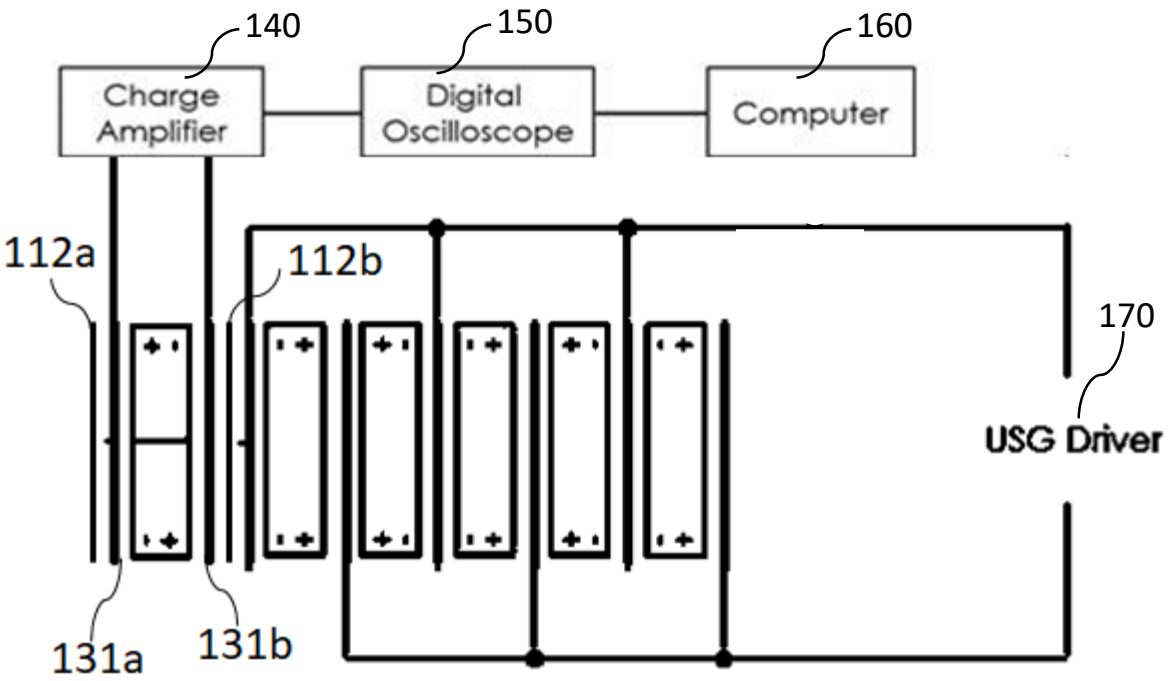

140
150
160
Charge Amplifier
Digital Oscilloscope
Computer
112a
112b
170
USG Driver
131a
131b

FIG. 1E

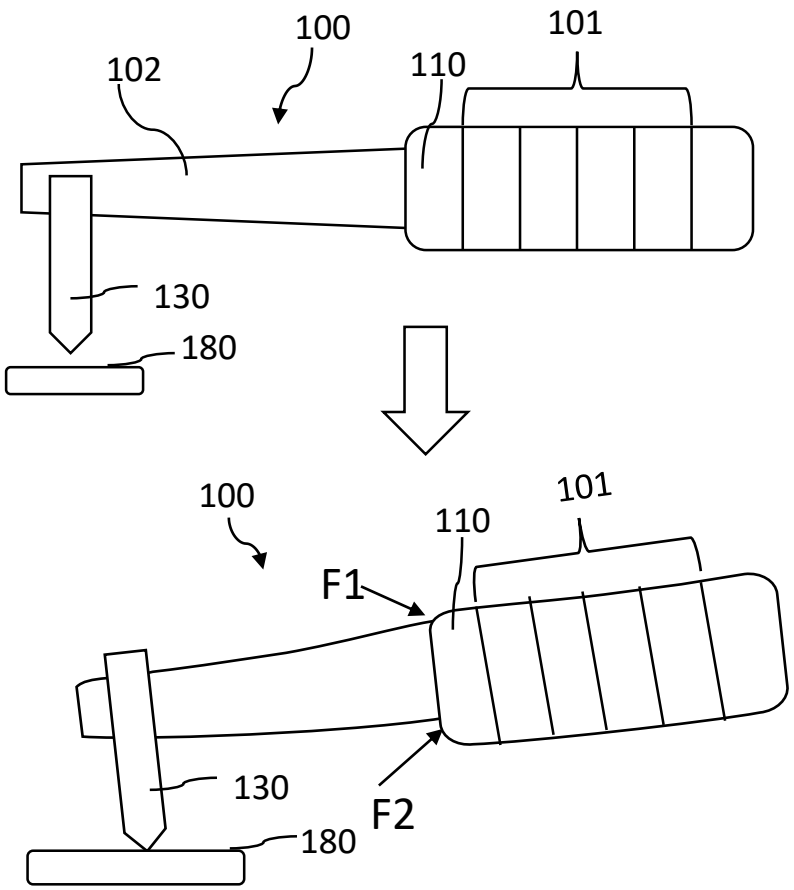

100
101
102
110
130
180
100
101
110
F1
130
F2
180

FIG. 2

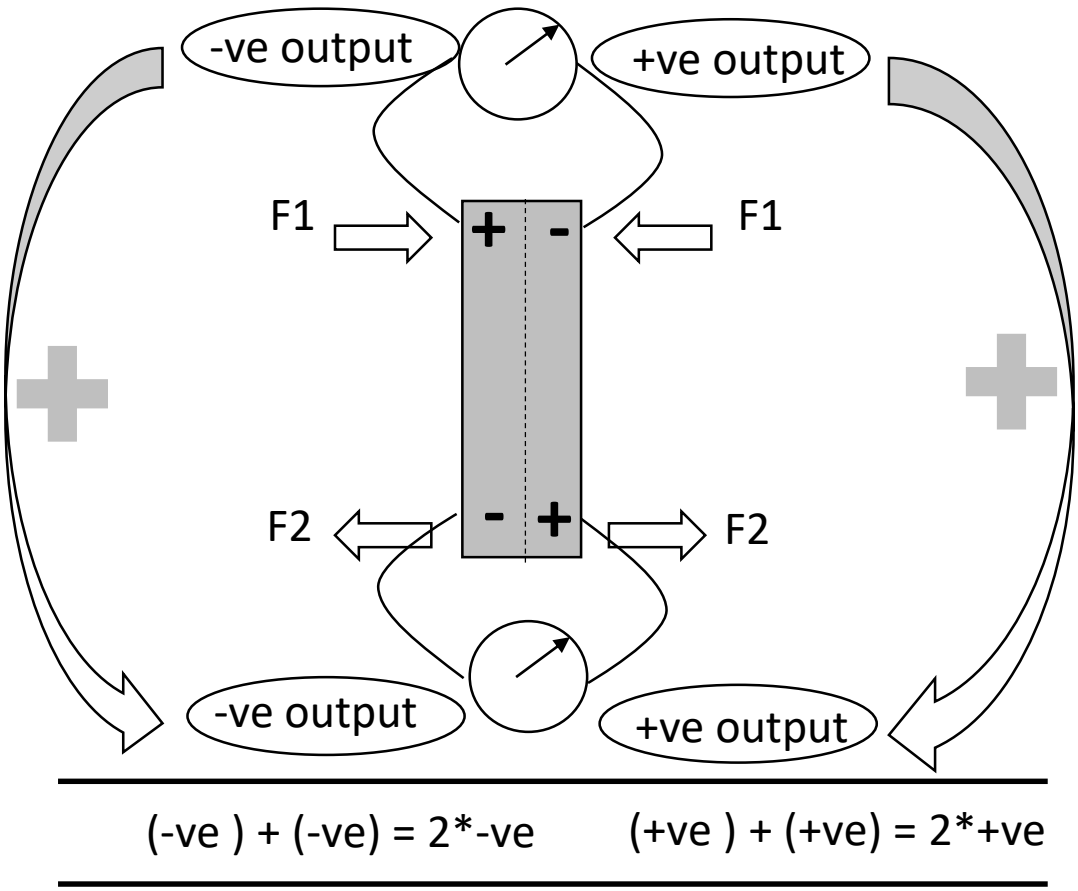

-ve output
+ve output
F1
F1
+
-
F2
F2
-
+
-ve output
+ve output
(-ve) + (-ve) = 2*-ve
(+ve) + (+ve) = 2*+ve

FIG. 3