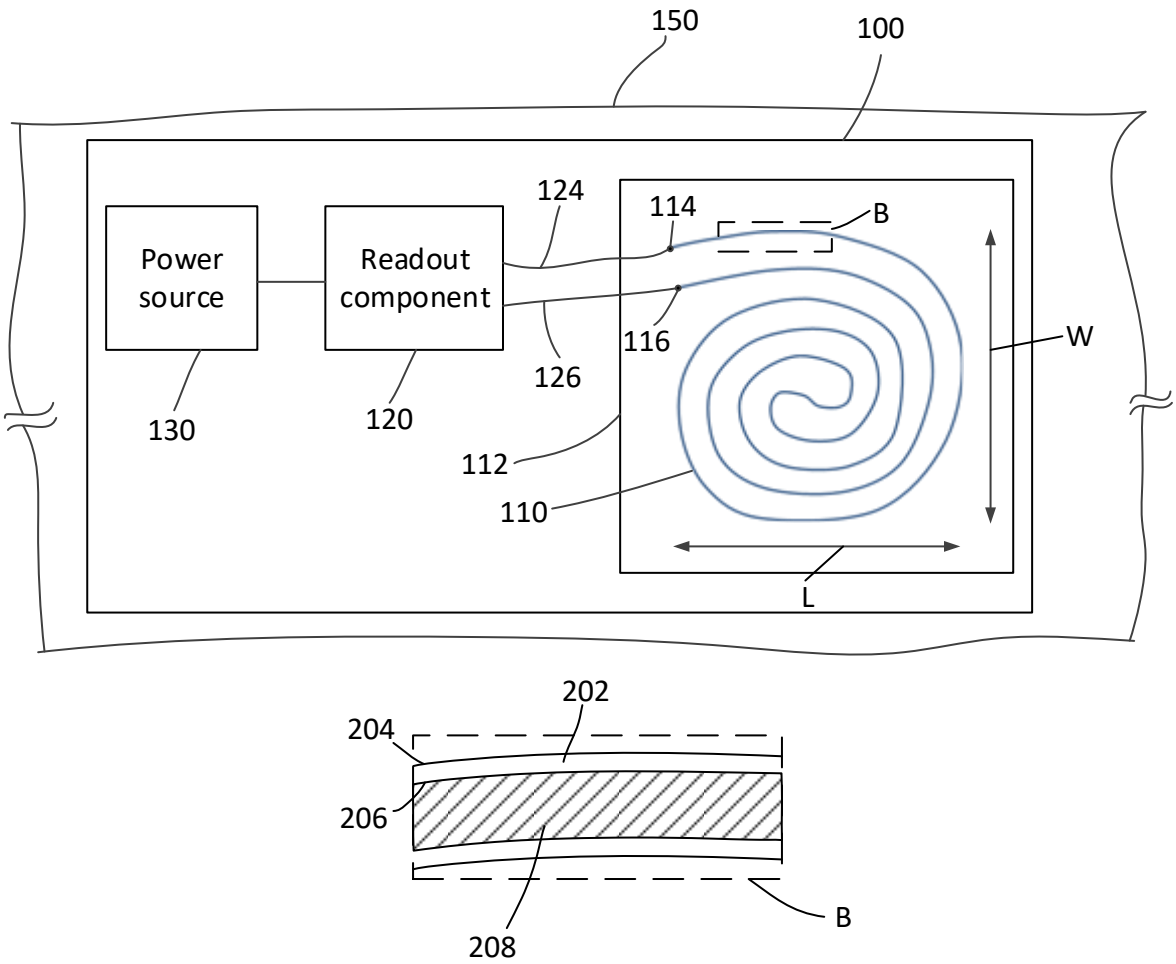
150
100
Power source
Readout component
124
114
B
116
W
126
130
120
112
110
L
202
204
206
208
B

FIG. 1

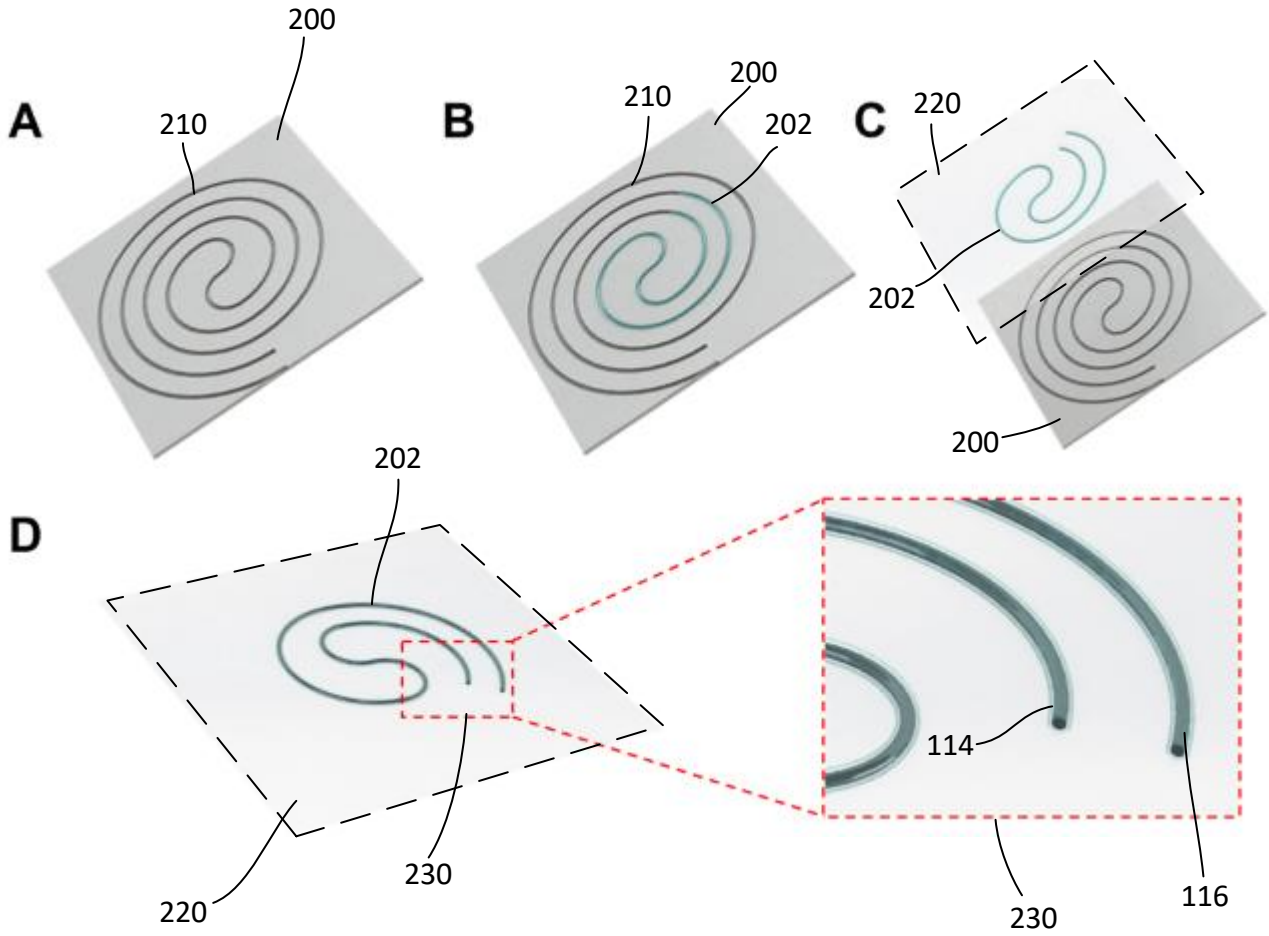

FIG. 2

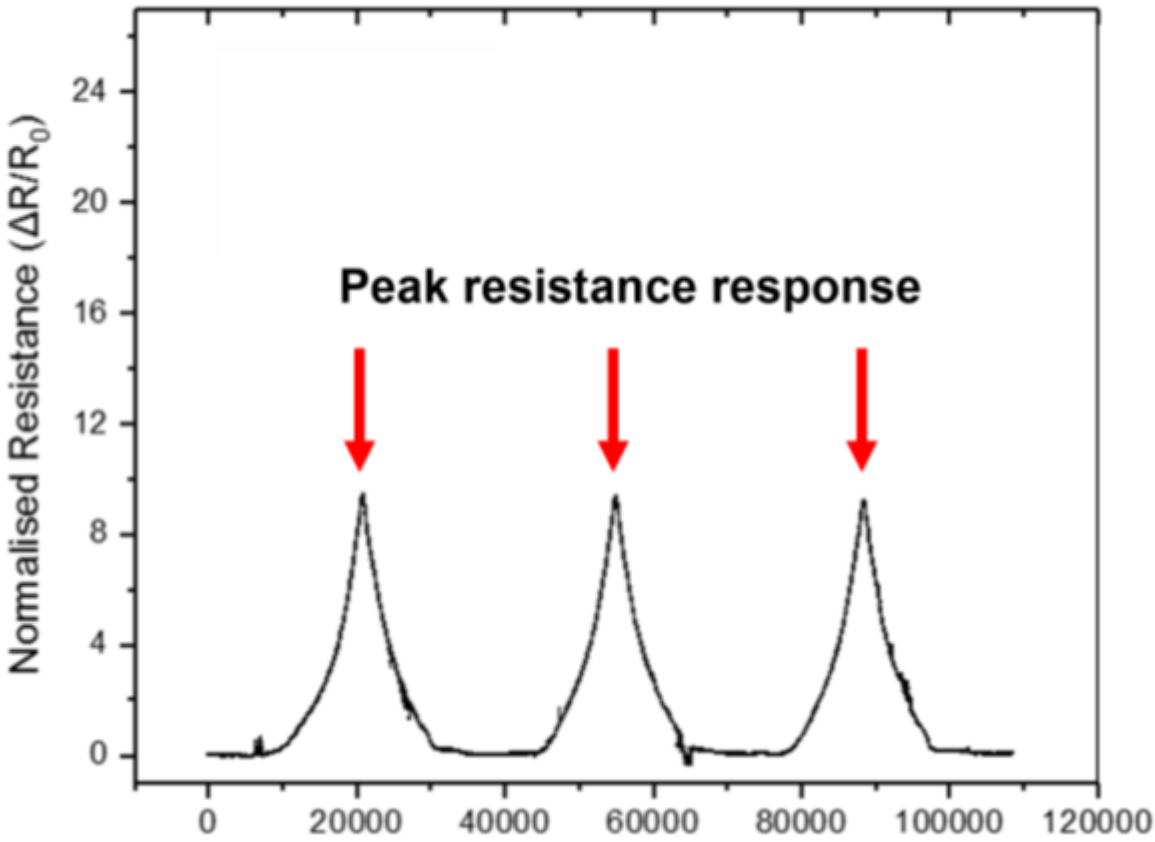
Normalised Resistance (ΔR/R0)
Peak resistance response
0
4
8
12
16
20
24
0
20000
40000
60000
80000
100000
120000

FIG. 3

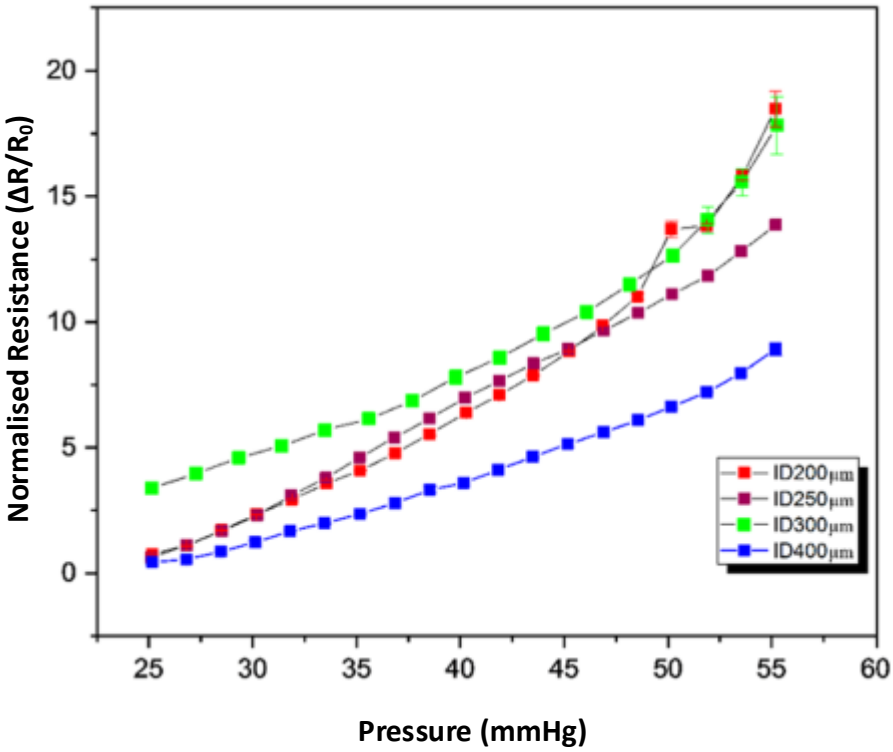
Normalised Resistance (ΔR/R0)
Pressure (mmHg)
ID200μm
ID250μm
ID300μm
ID400μm

FIG. 4

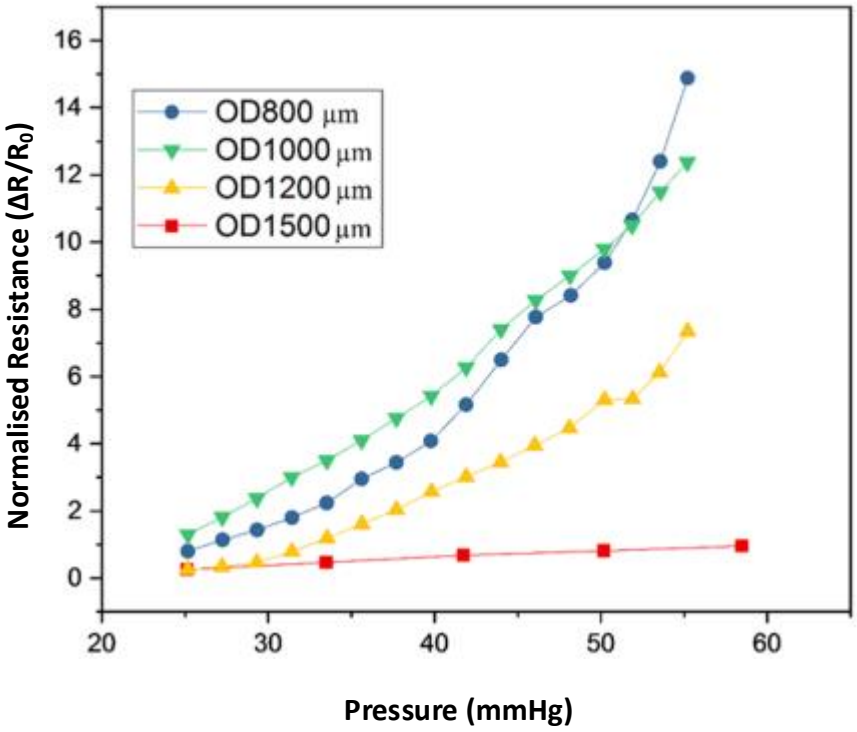
Normalised Resistance (ΔR/R0)
Pressure (mmHg)
OD800 μm
OD1000 μm
OD1200 μm
OD1500 μm

FIG. 5

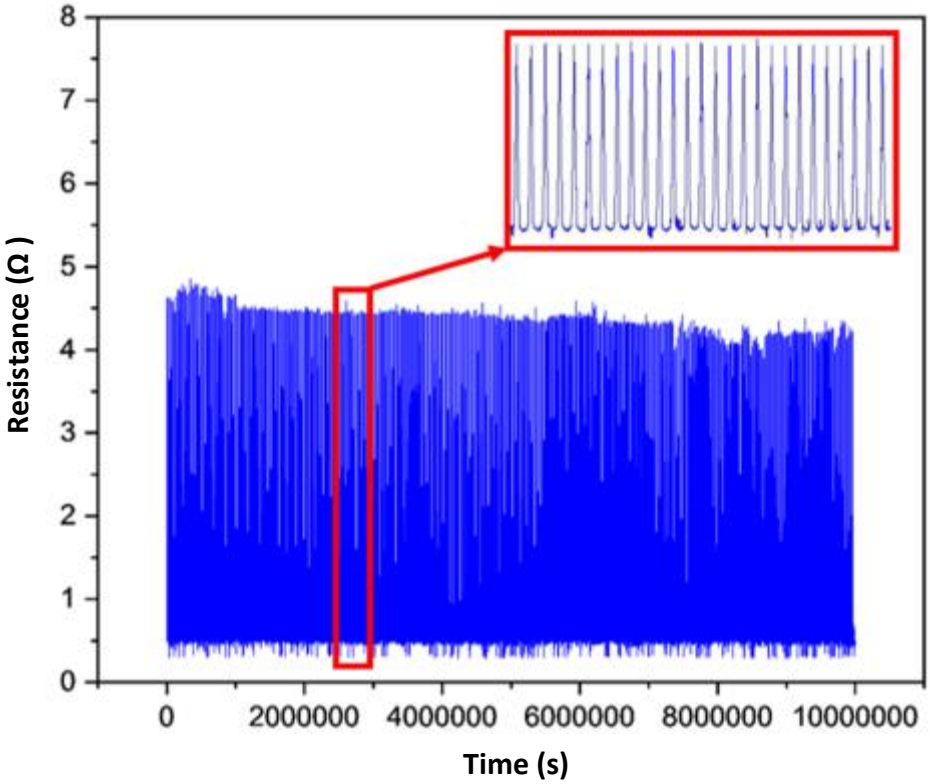
Resistance (Ω)
Time (s)
0
1
2
3
4
5
6
7
8
0
2000000
4000000
6000000
8000000
10000000

FIG. 6

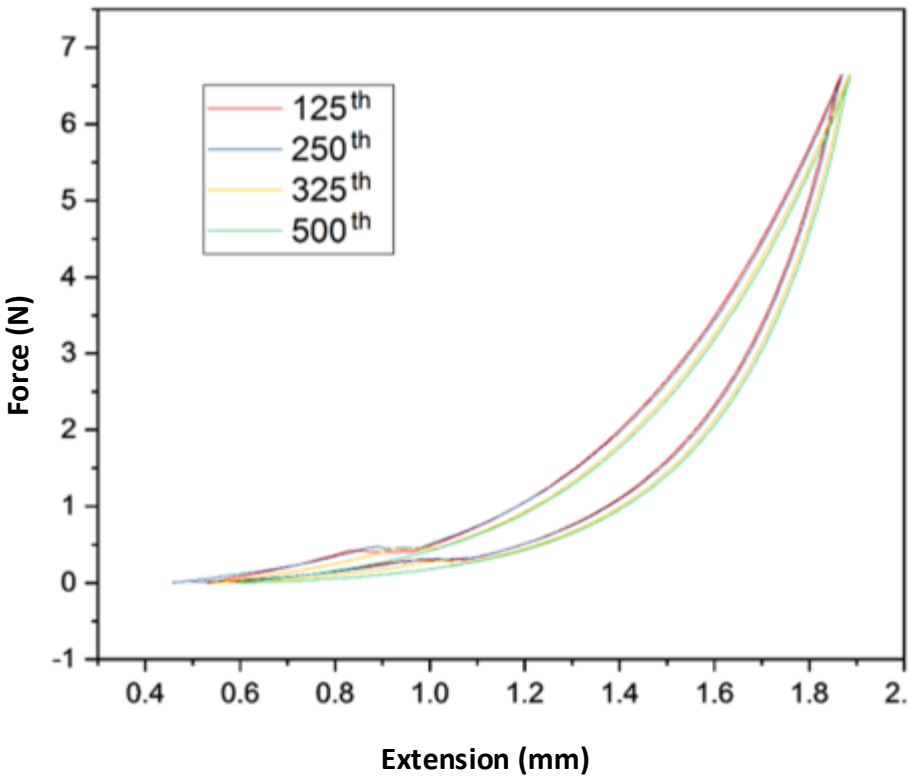
Force (N)
Extension (mm)
125th
250th
325th
500th
-1
0
1
2
3
4
5
6
7
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.

FIG. 7

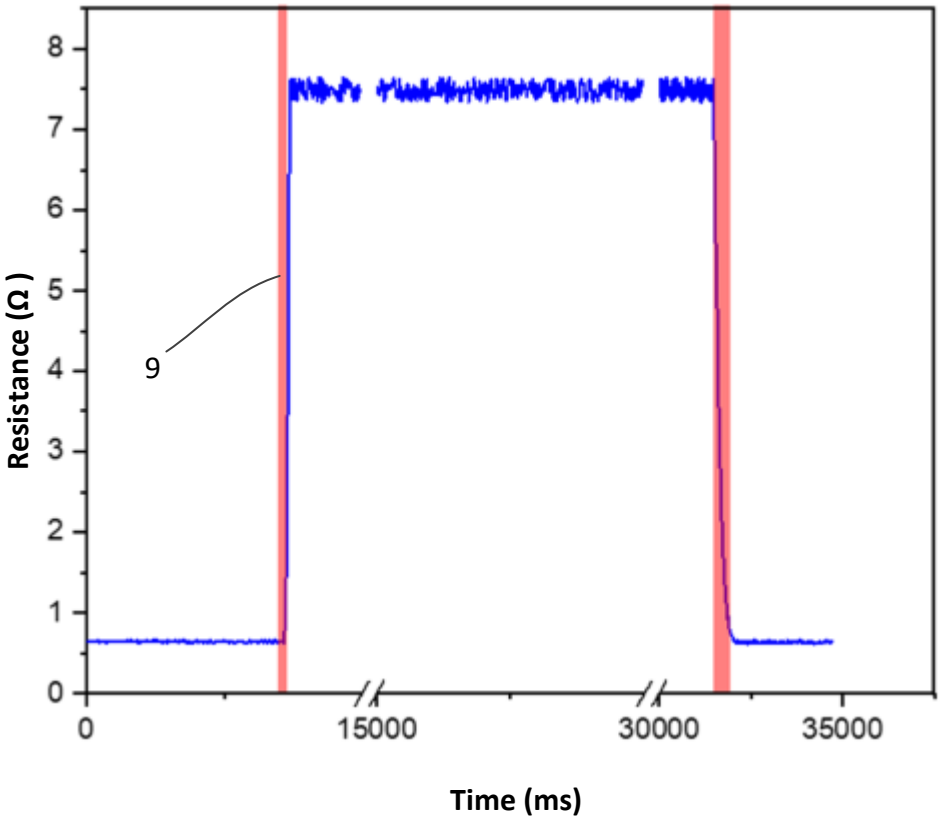
Resistance (Ω)
Time (ms)
9
0
15000
30000
35000

FIG. 8

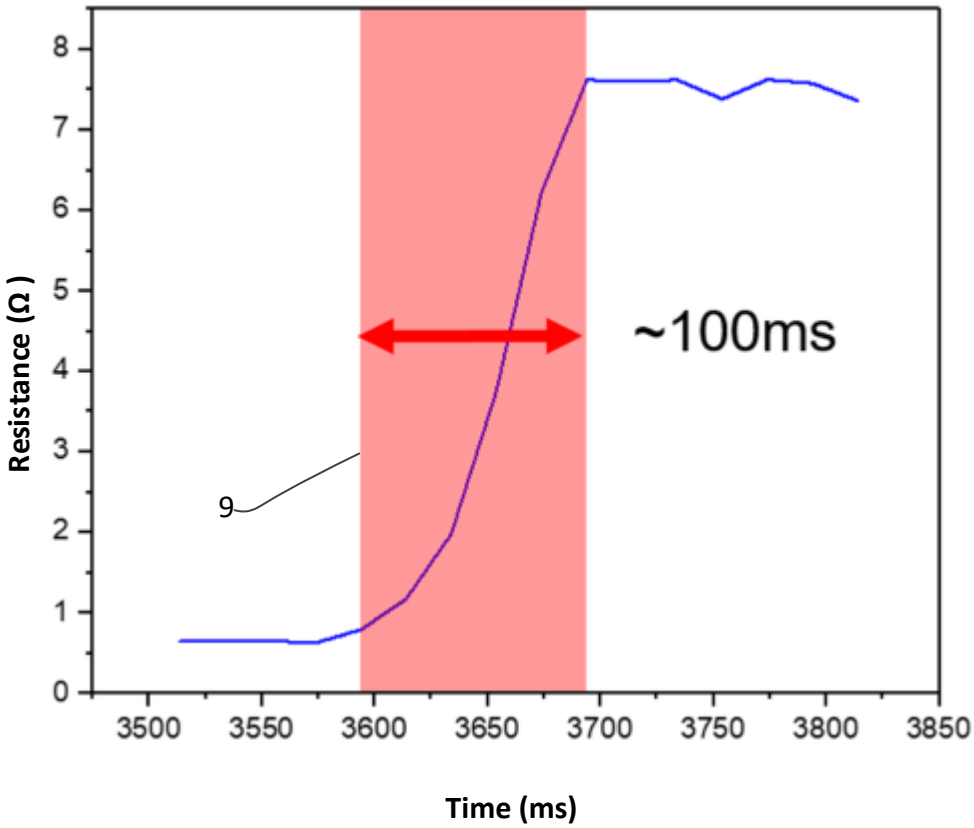
Resistance (Ω)
Time (ms)
~100ms
9
3500
3550
3600
3650
3700
3750
3800
3850

FIG. 9

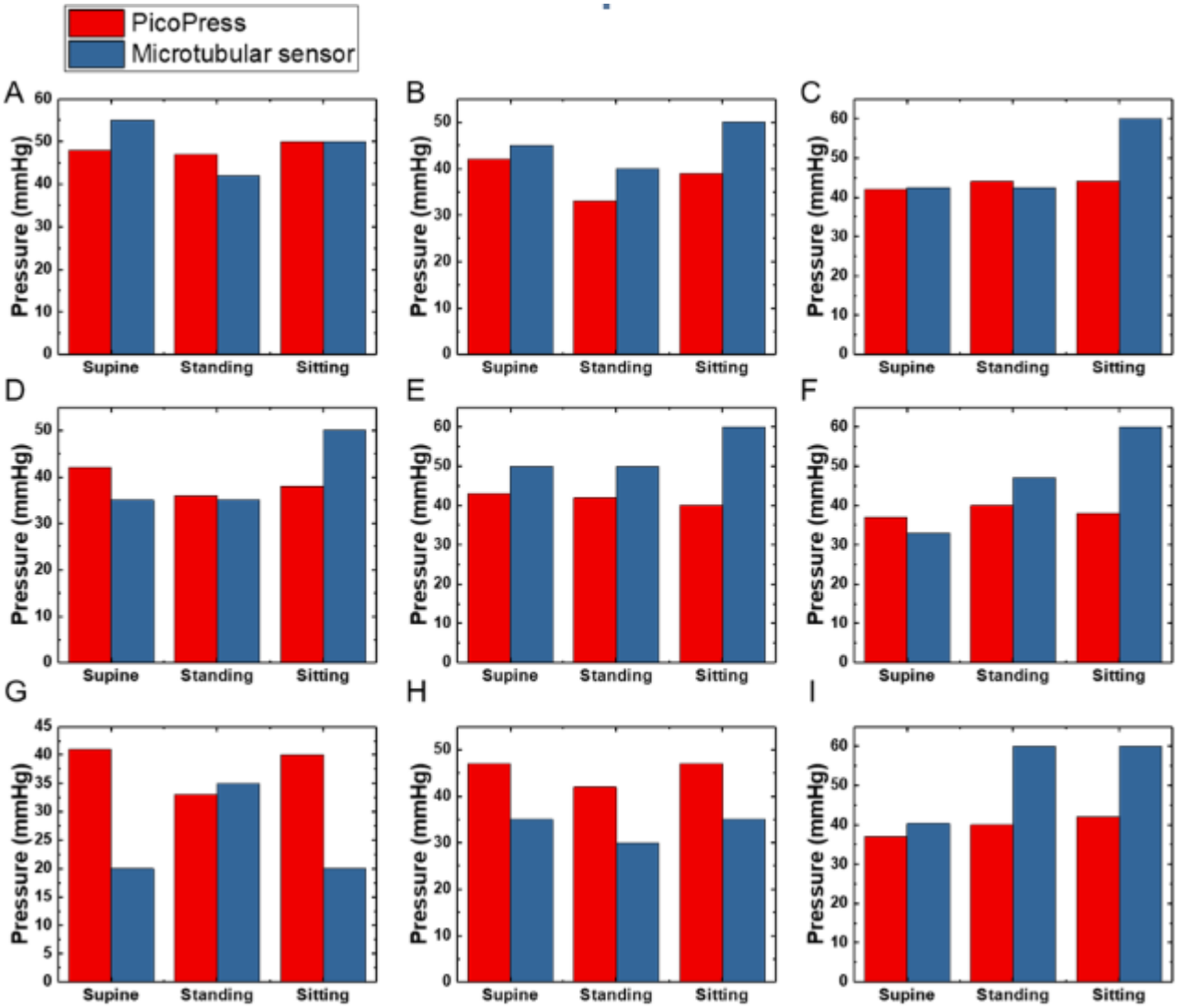
PicoPress
Microtubular sensor
A
B
C
D
E
F
G
H
I
Pressure (mmHg)
Supine
Standing
Sitting

FIG. 10

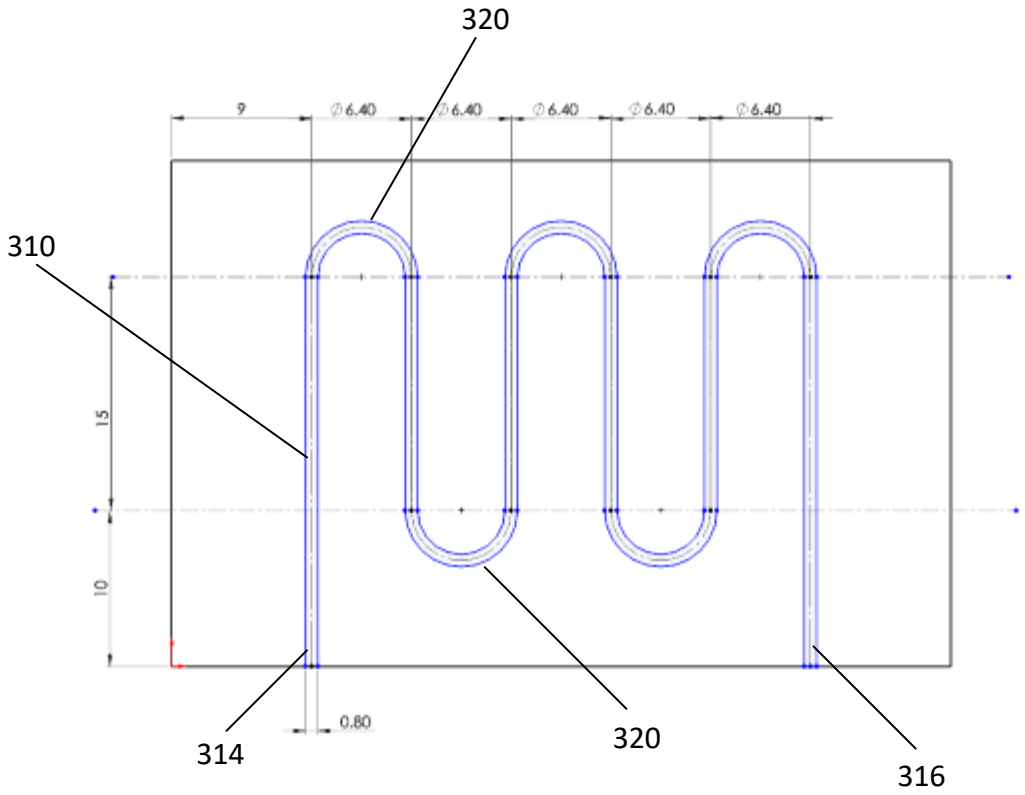

FIG. 11