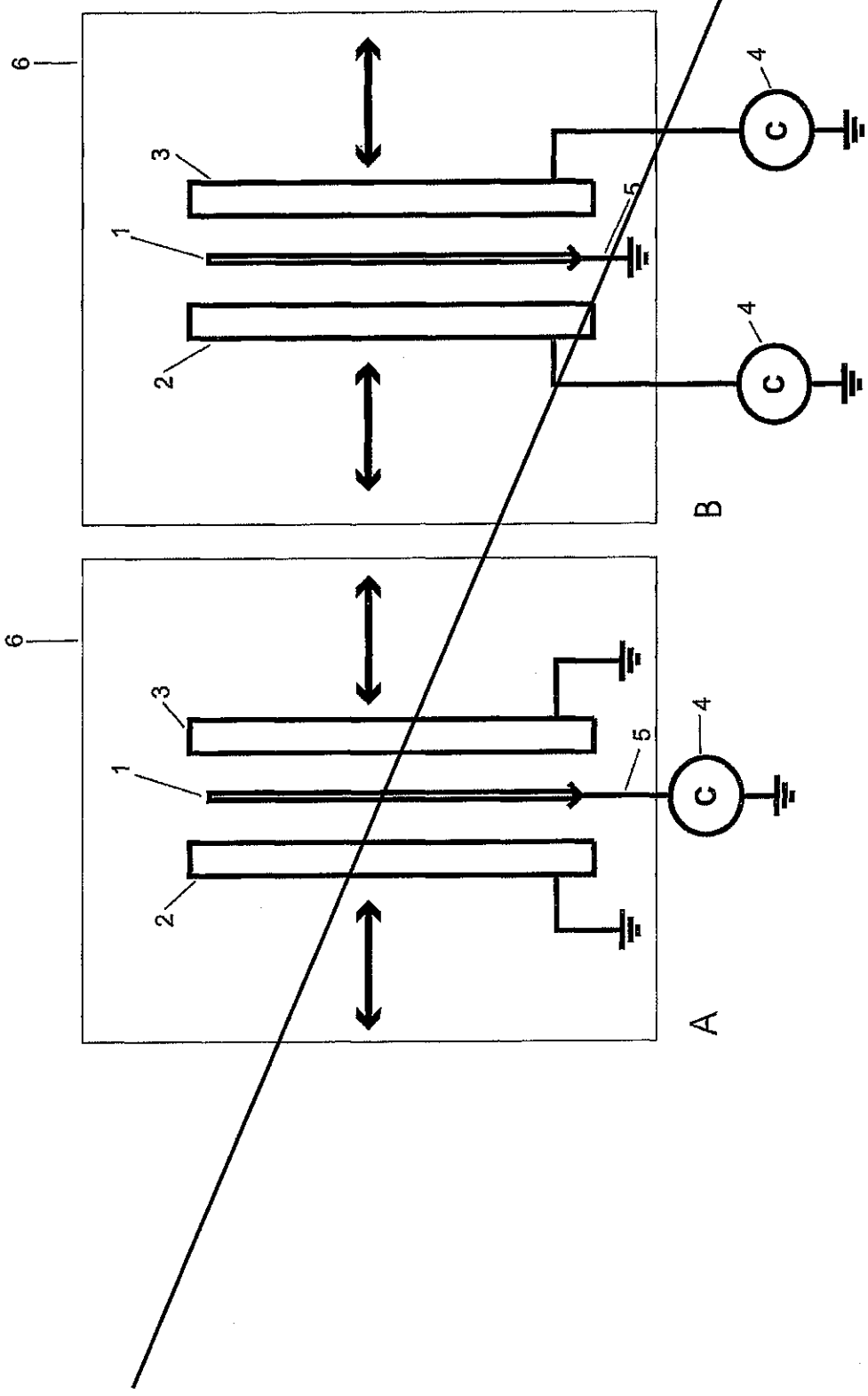


Figure 1

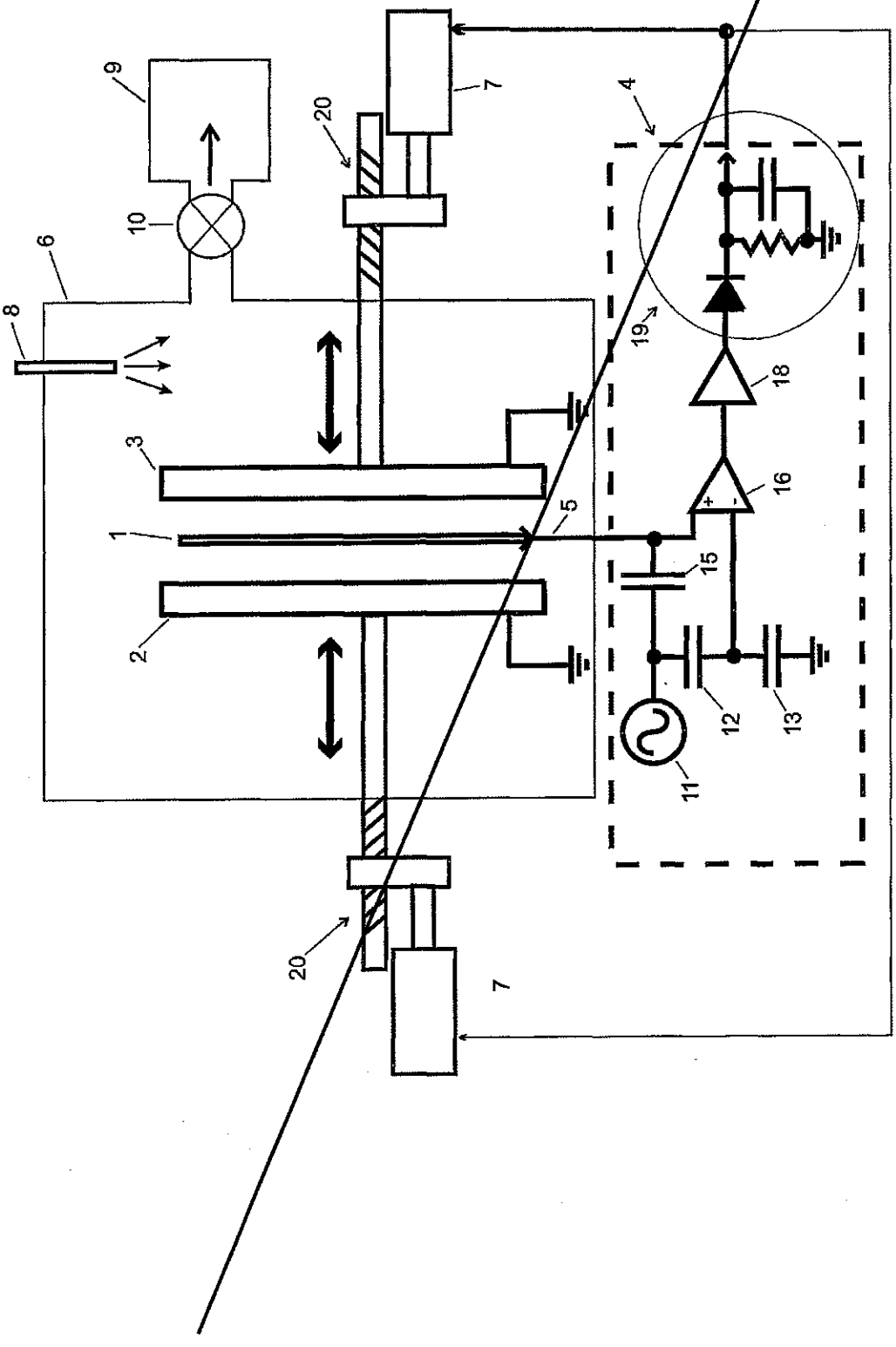


Figure 2

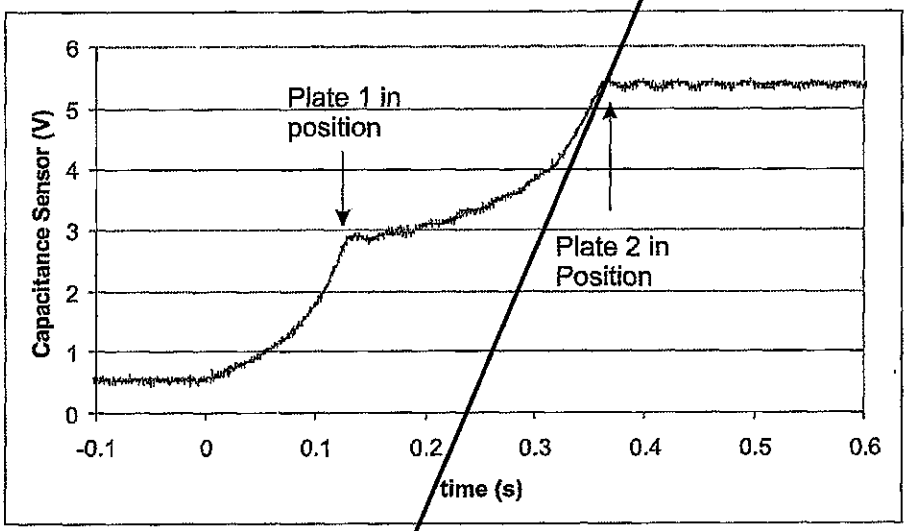

Capacitance Sensor (V)
6
5
4
3
2
1
0
-0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
time (s)
Plate 1 in position
Plate 2 in Position

Figure 3

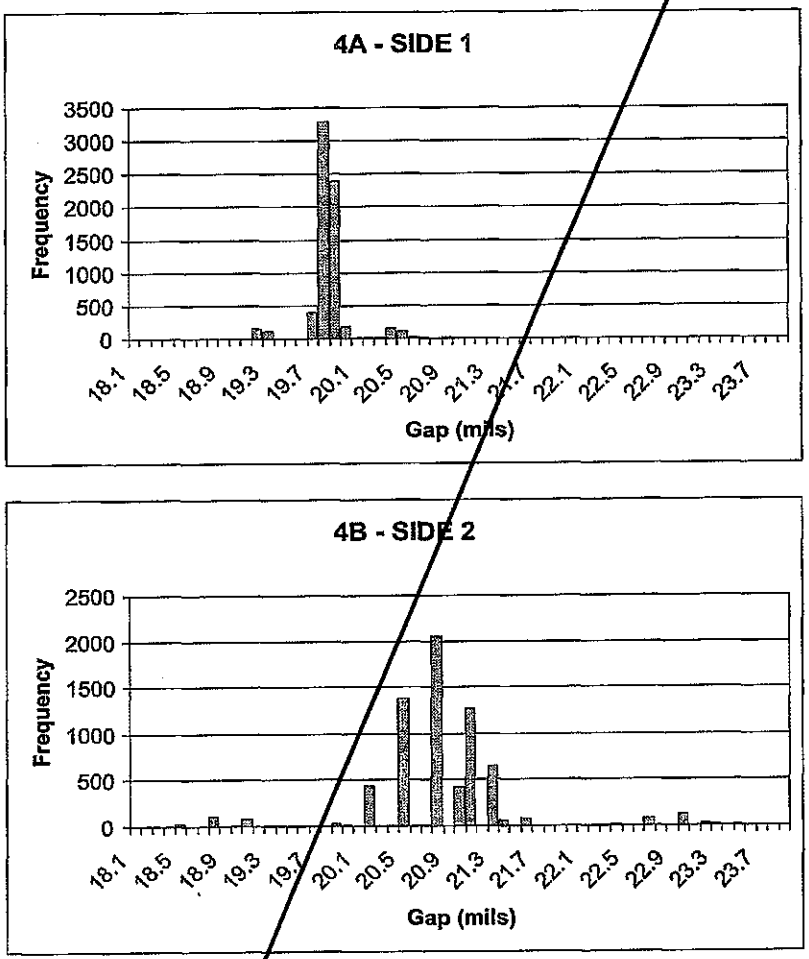

4A - SIDE 1
Frequency
3500
3000
2500
2000
1500
1000
500
0
18.1
18.5
18.9
19.3
19.7
20.1
20.5
20.9
21.3
21.7
22.1
22.5
22.9
23.3
23.7
Gap (mils)
4B - SIDE 2
Frequency
2500
2000
1500
1000
500
0
18.1
18.5
18.9
19.3
19.7
20.1
20.5
20.9
21.3
21.7
22.1
22.5
22.9
23.3
23.7
Gap (mils)

Figure 4

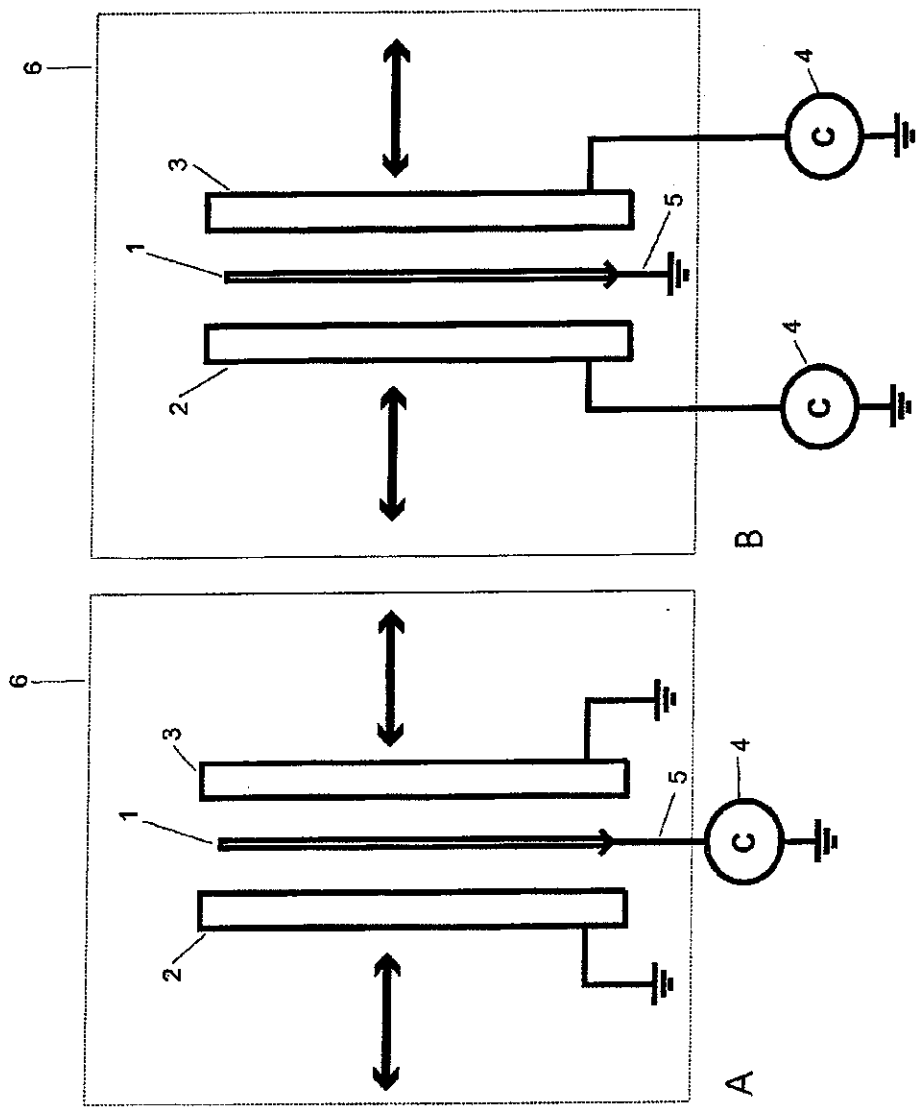


Figure 1

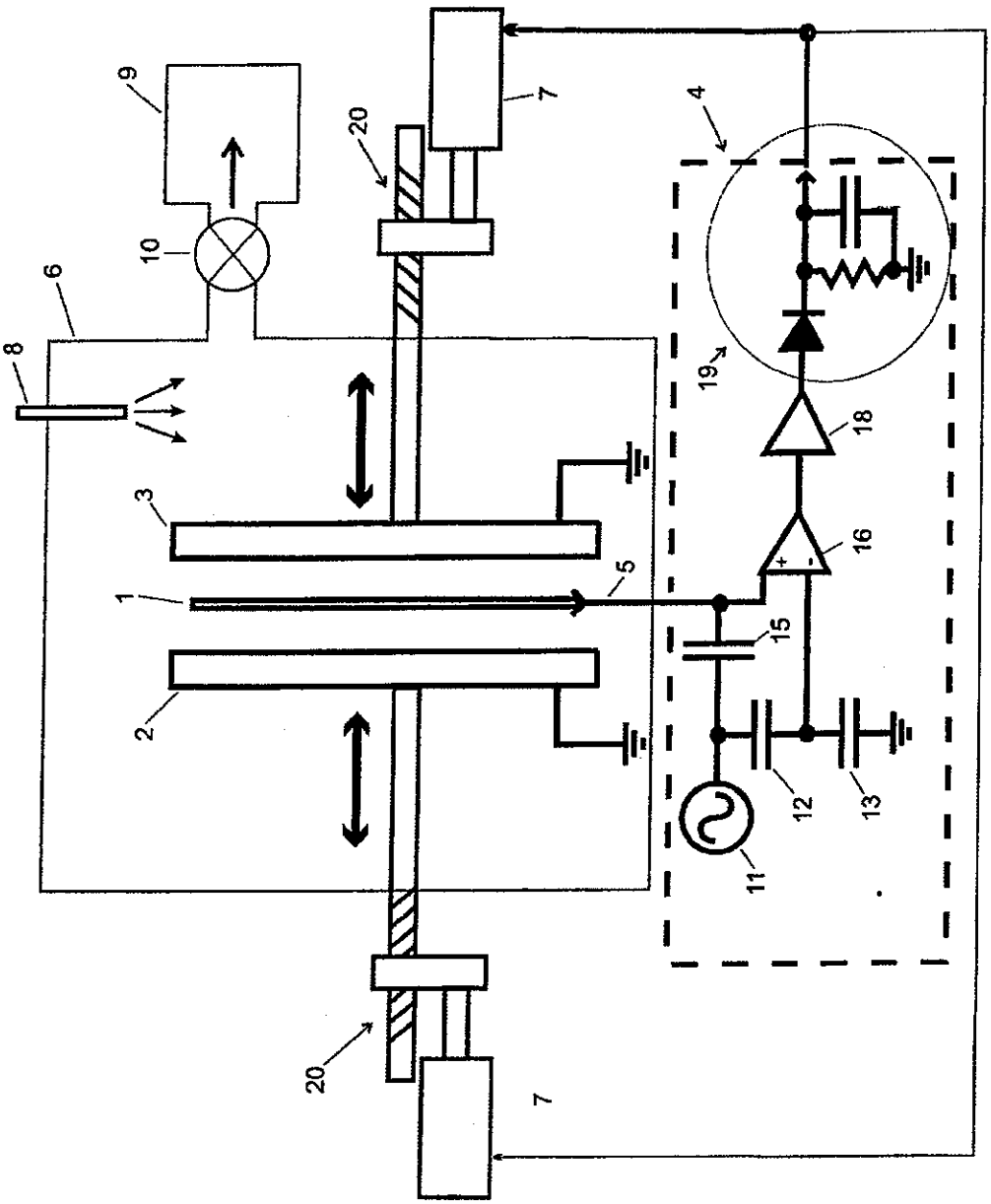


Figure 2

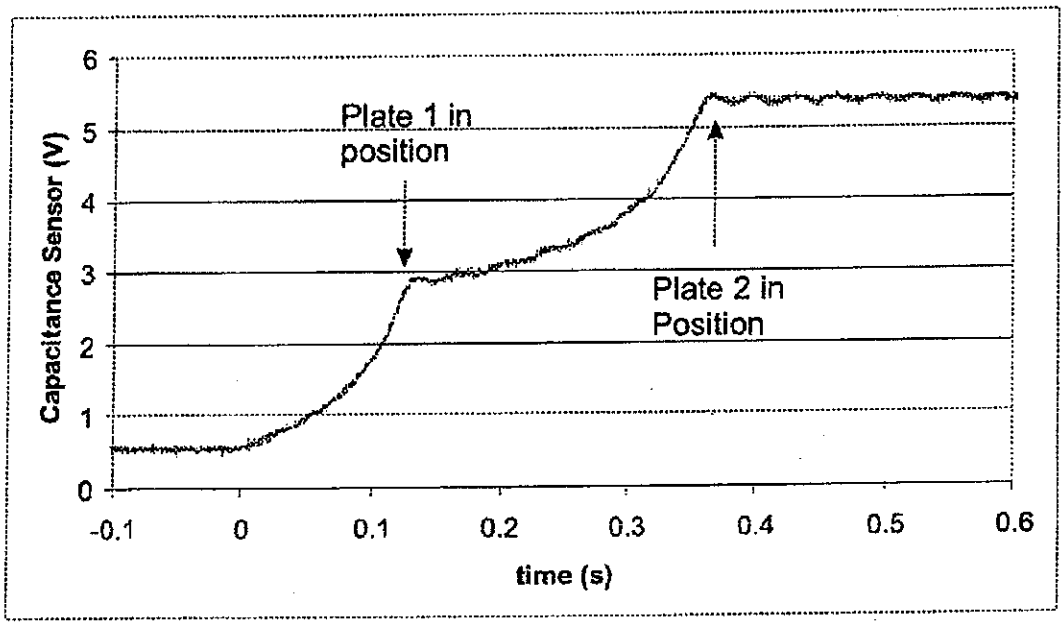
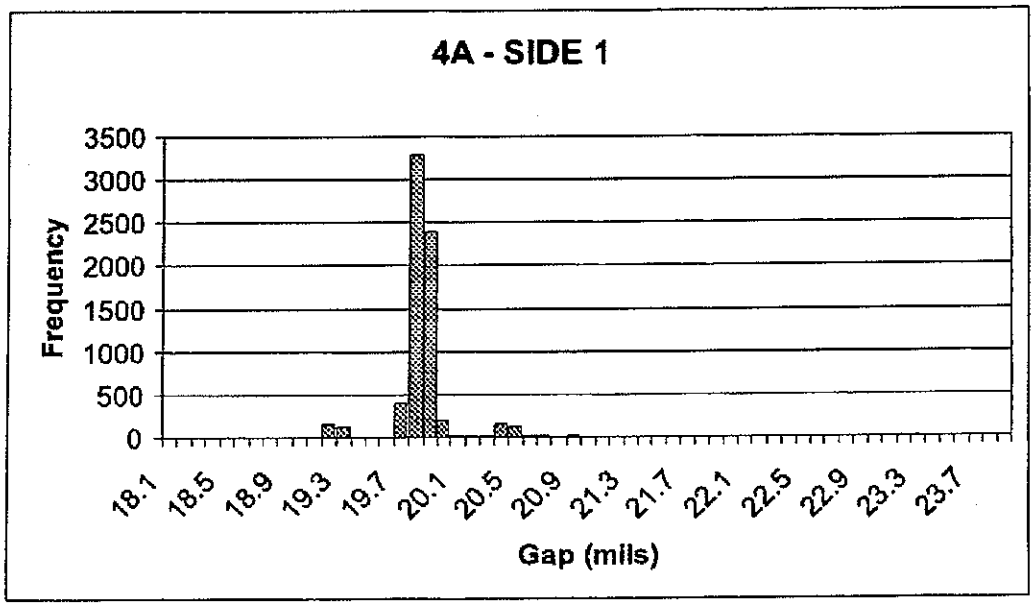

Capacitance Sensor (V)
6
5
4
3
2
1
0
-0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
time (s)
Plate 1 in position
Plate 2 in Position

Figure 3


4A - SIDE 1
Frequency
3500
3000
2500
2000
1500
1000
500
0
18.1
18.5
18.9
19.3
19.7
20.1
20.5
20.9
21.3
21.7
22.1
22.5
22.9
23.3
23.7
Gap (mils)

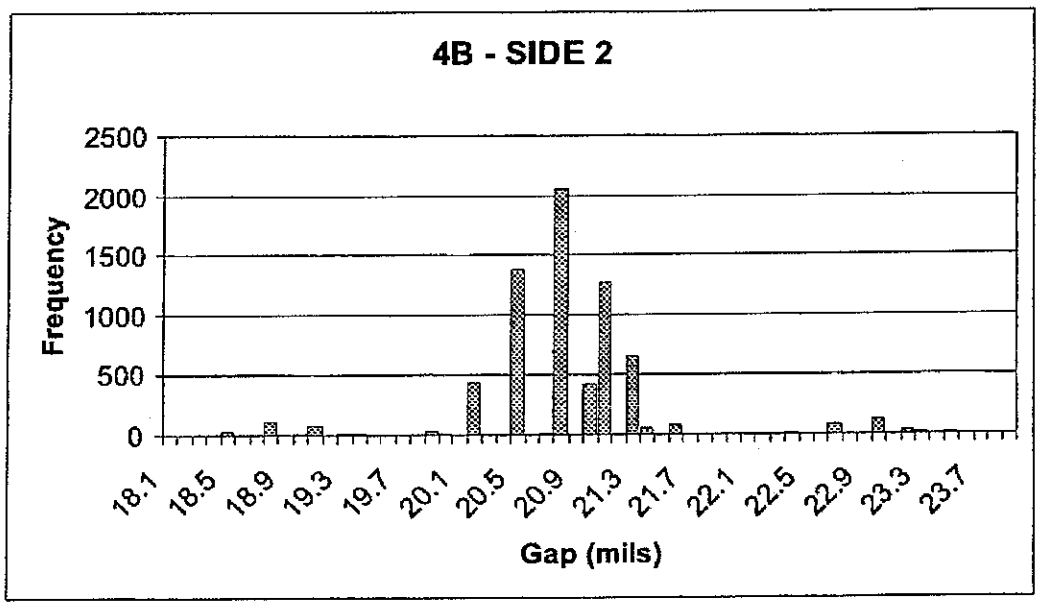

4B - SIDE 2
Frequency
2500
2000
1500
1000
500
0
18.1
18.5
18.9
19.3
19.7
20.1
20.5
20.9
21.3
21.7
22.1
22.5
22.9
23.3
23.7
Gap (mils)

Figure 4