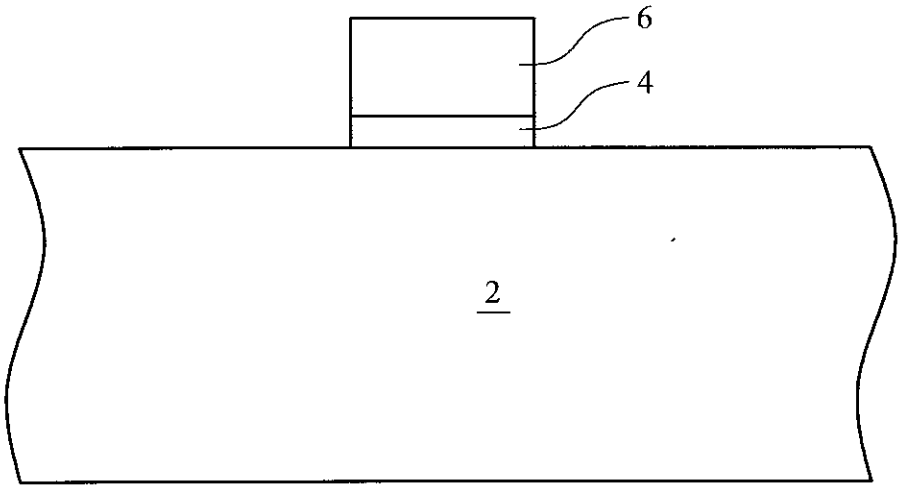


Fig. 1

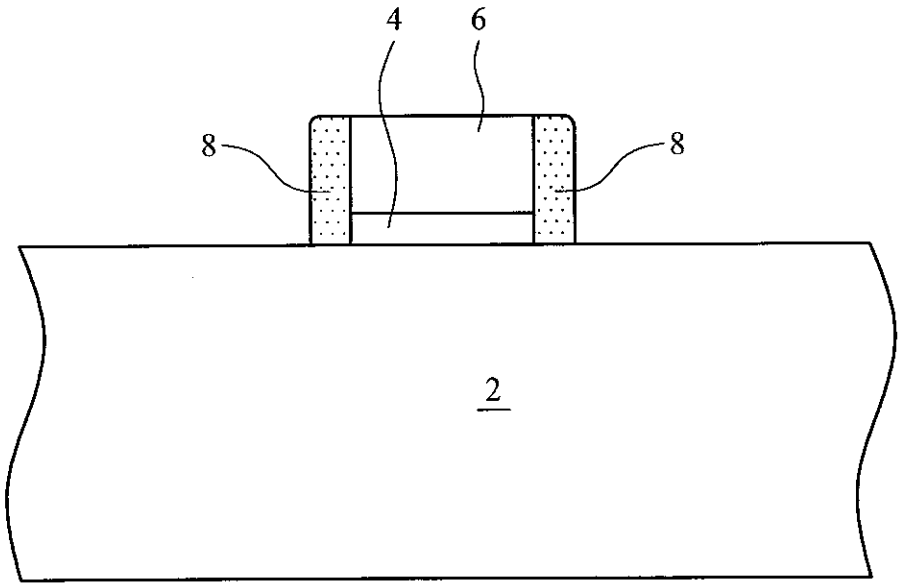


Fig. 2

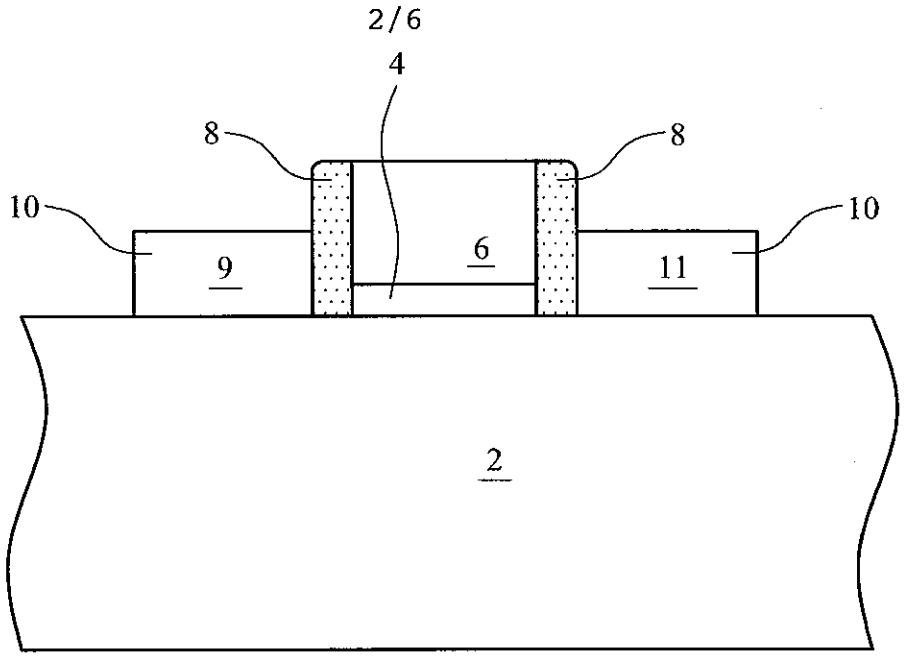


Fig. 3

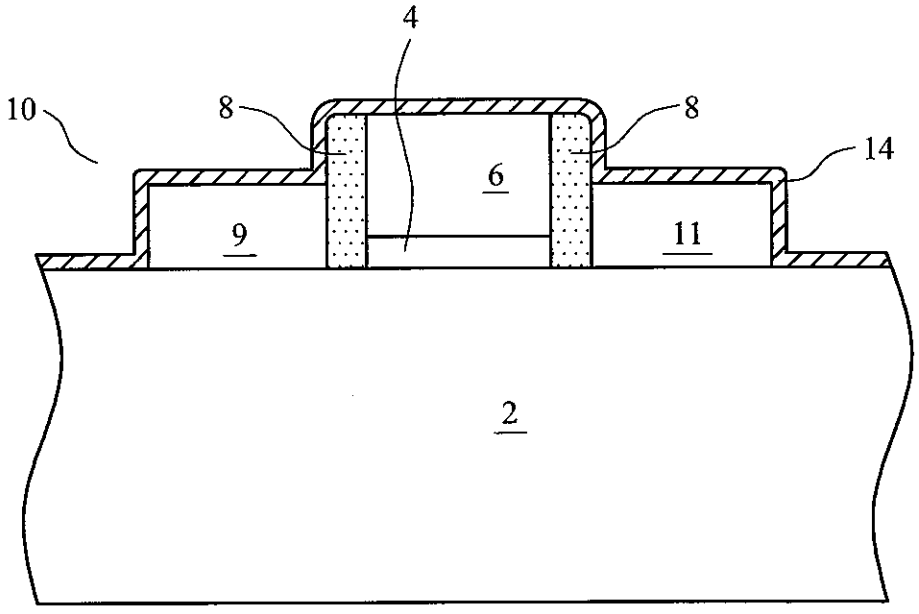


Fig. 4

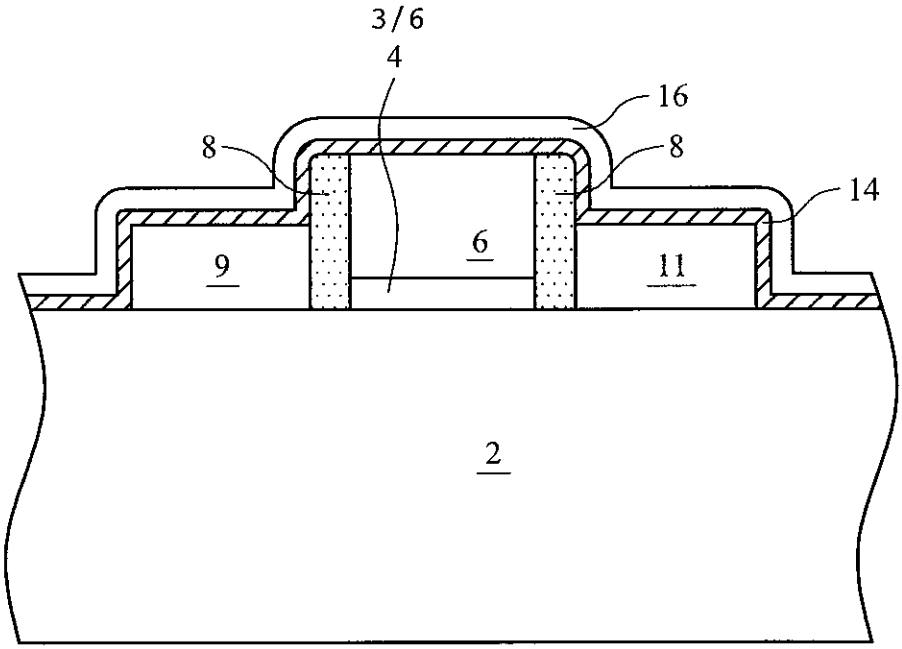


Fig. 5

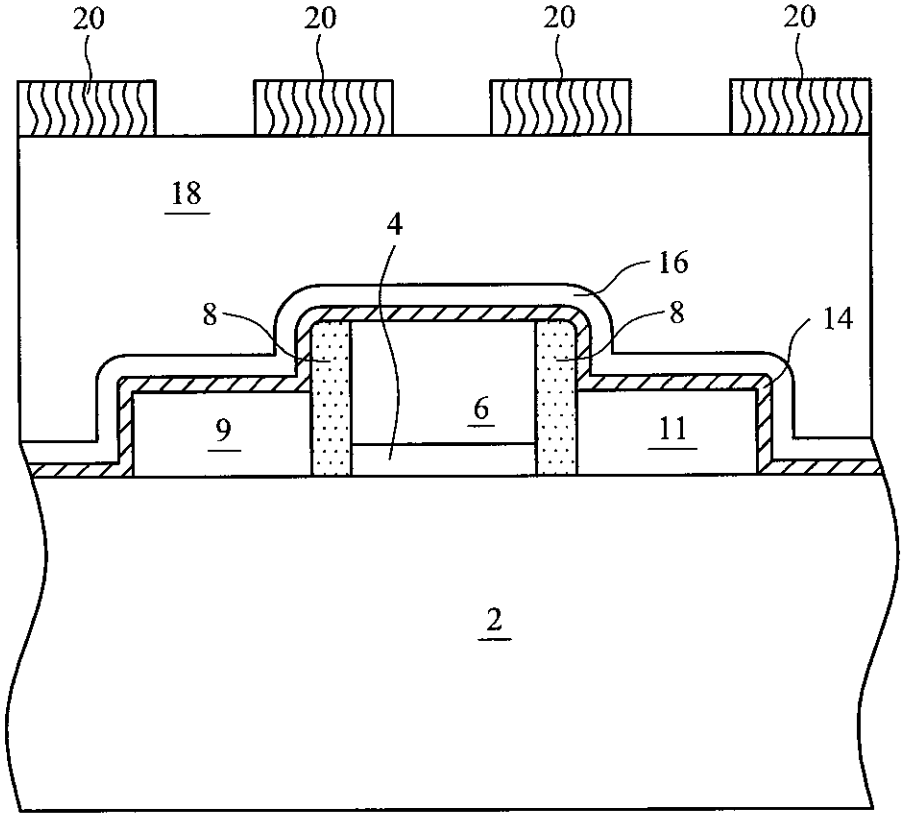


Fig. 6

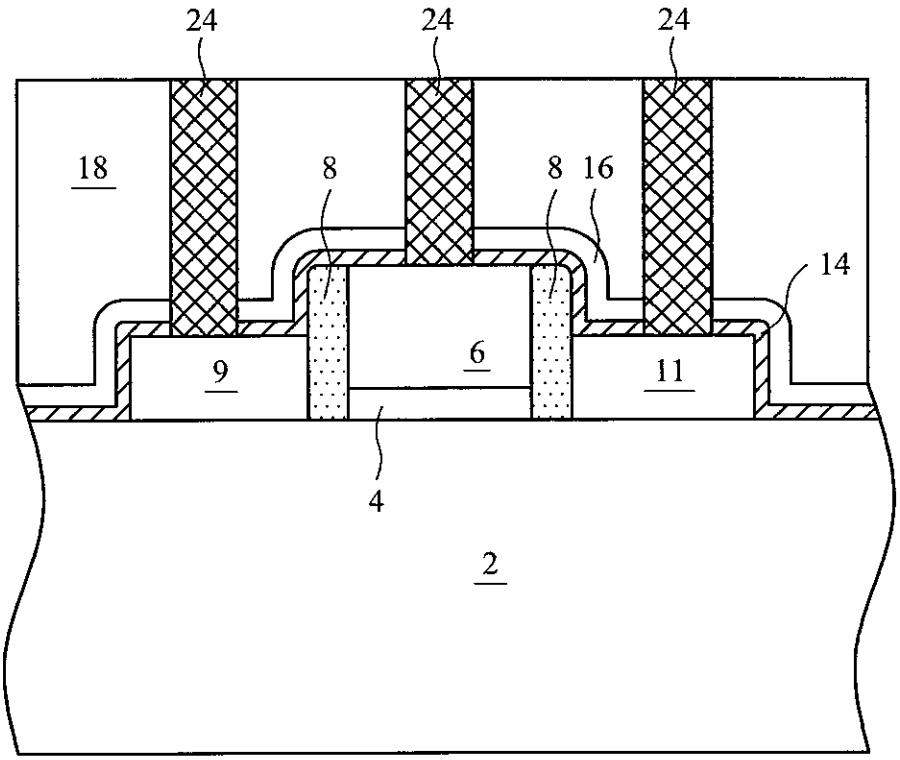

24
24
24
18
8
8
16
14
9
6
11
4
2

Fig. 7

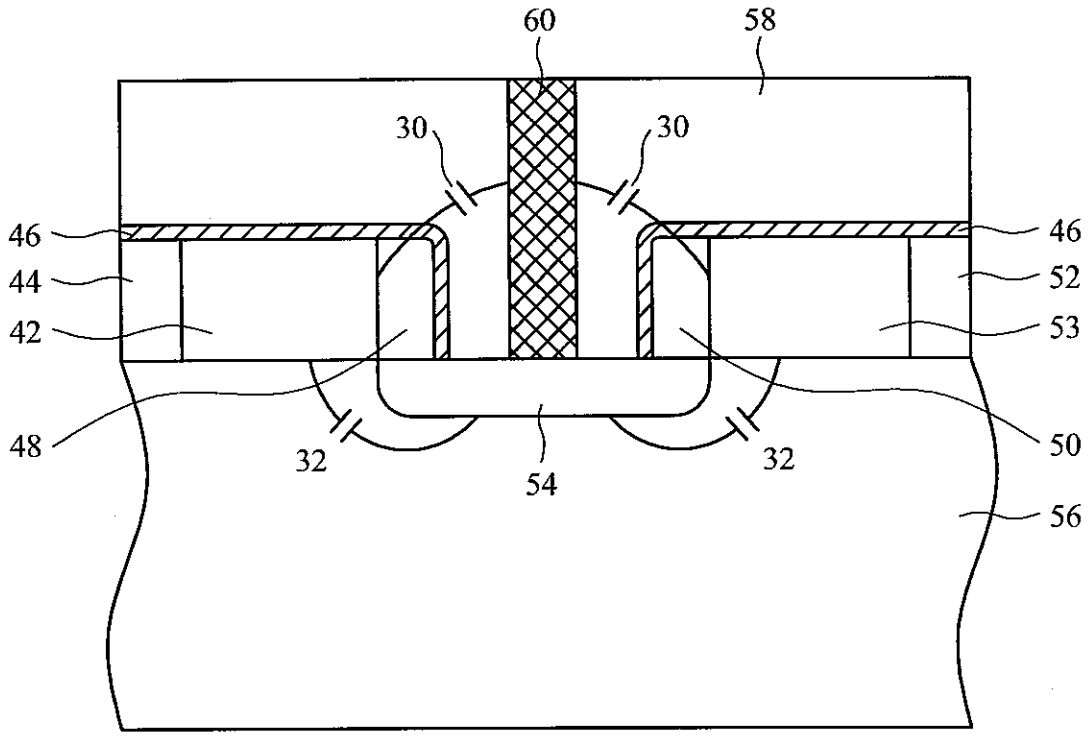

60
58
30
30
46
46
44
52
42
53
48
50
32
54
32
56

Fig. 8a

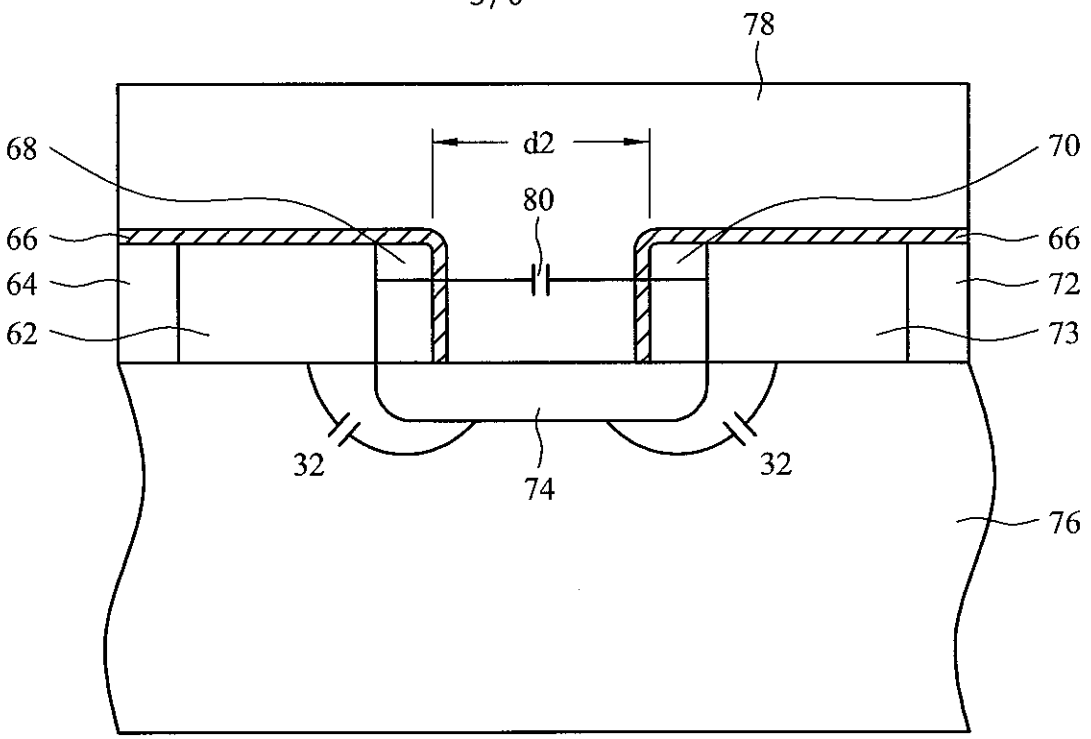

78
68
d2
70
80
66
66
64
72
62
73
32
74
32
76

Fig. 8b

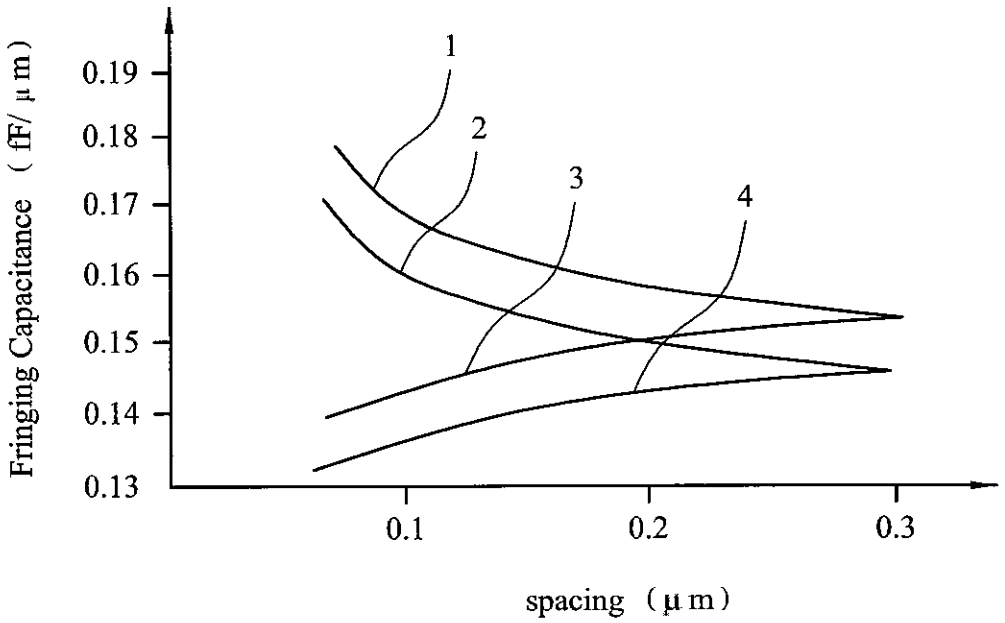

Fringing Capacitance (fF/μm)
0.19
0.18
0.17
0.16
0.15
0.14
0.13
1
2
3
4
0.1
0.2
0.3
spacing (μm)

Fig. 9

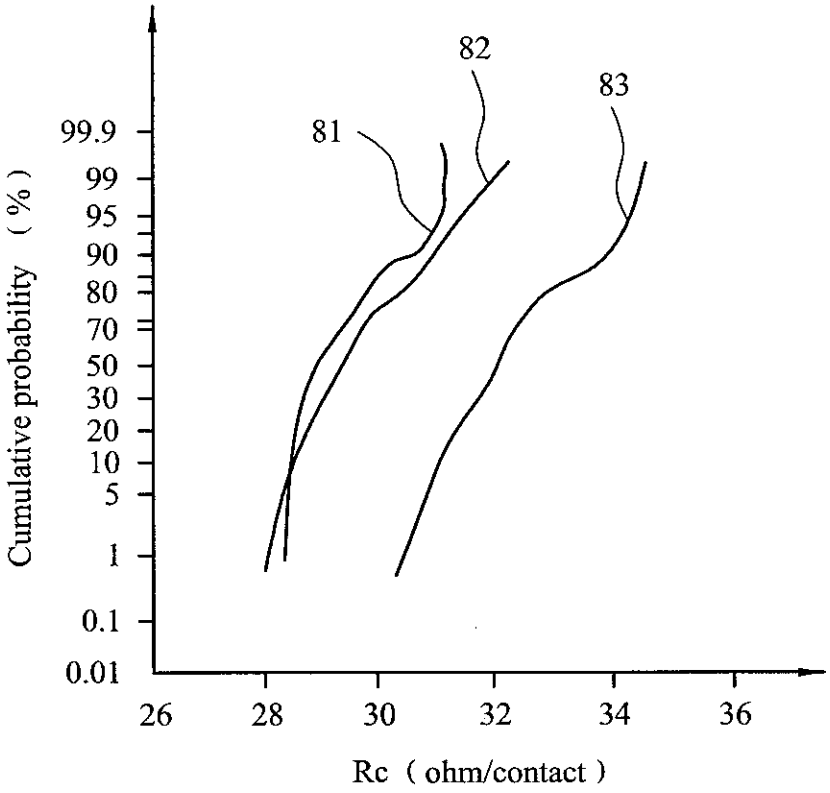

82
83
81
99.9
99
95
90
80
70
50
30
20
10
5
1
0.1
0.01
Cumulative probability (%)
26
28
30
32
34
36
Rc (ohm/contact)

Fig. 10

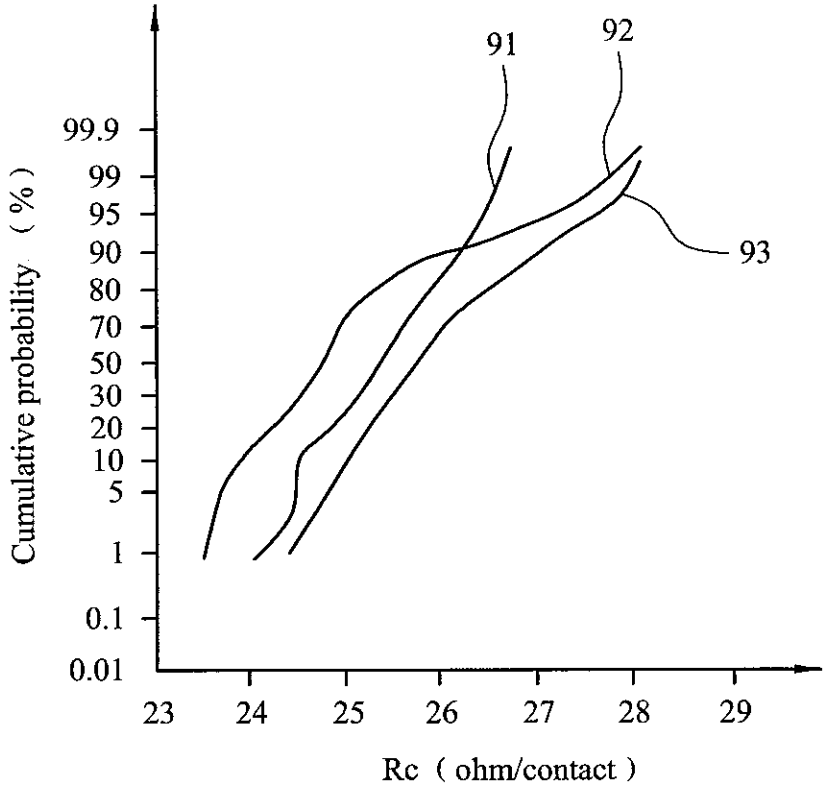

91
92
93
99.9
99
95
90
80
70
50
30
20
10
5
1
0.1
0.01
Cumulative probability (%)
23
24
25
26
27
28
29
Rc (ohm/contact)

Fig. 11