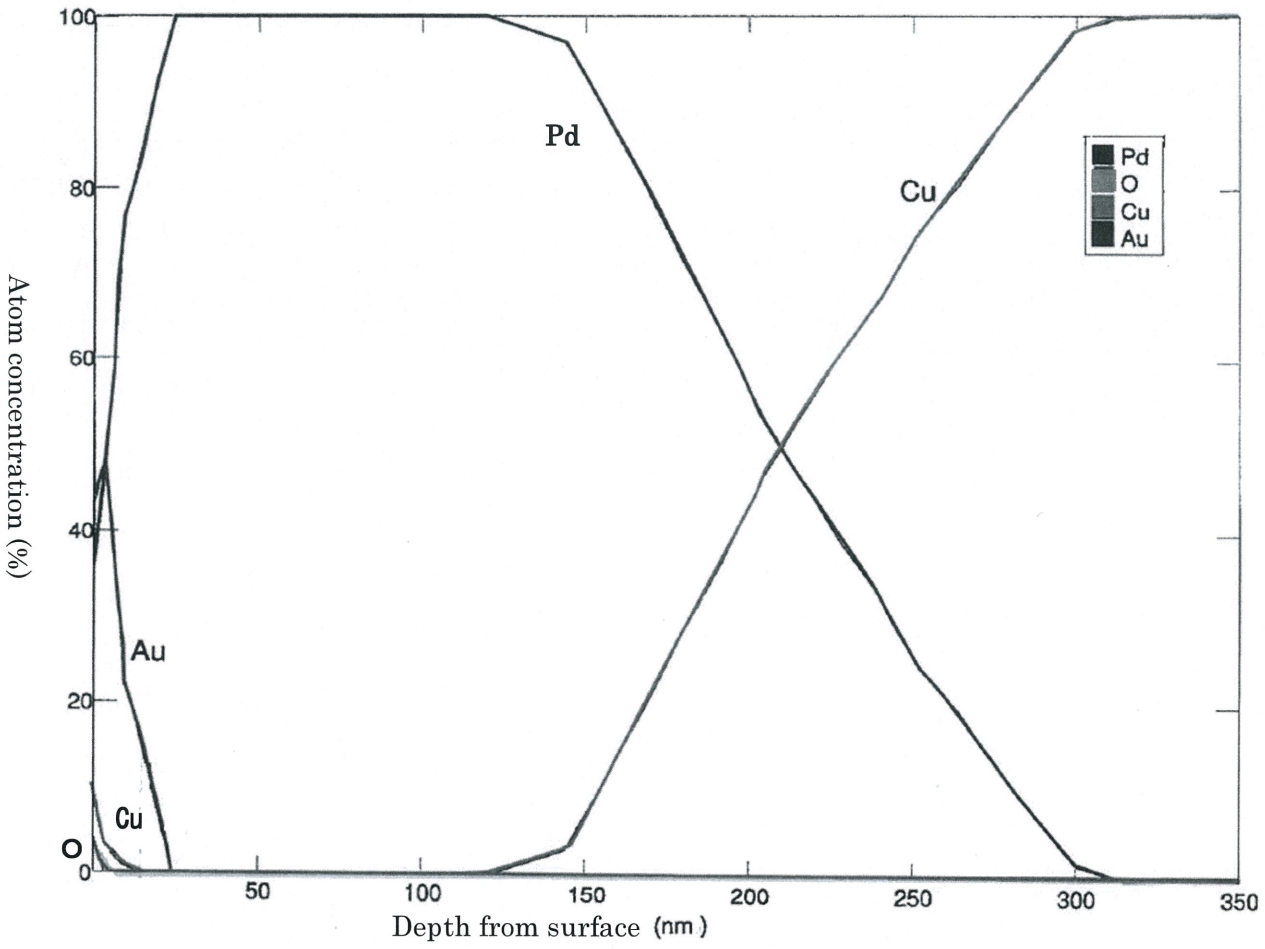
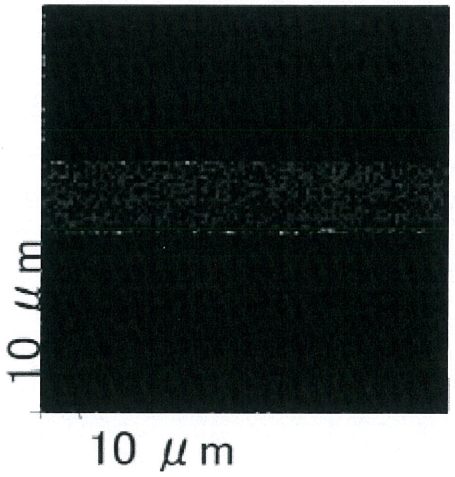
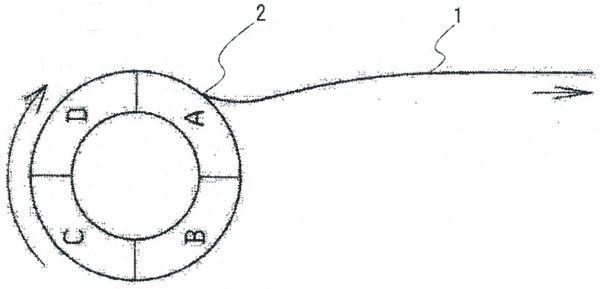
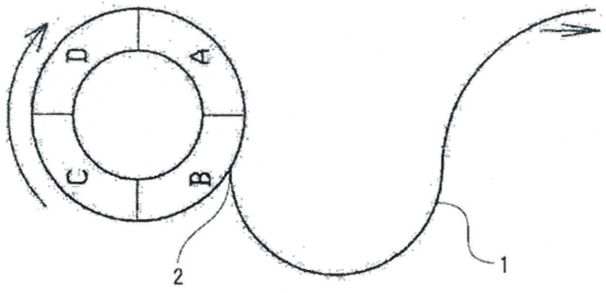
[Fig. 1]


100
80
60
40
20
0
Atom concentration (%)
Pd
Cu
Au
Cu
O
Pd
O
Cu
Au
50
100
150
200
250
300
350
Depth from surface (nm)

[Fig. 2]


10 μm
10 μm

[Fig. 3]



[Fig. 4]