

FIG.1

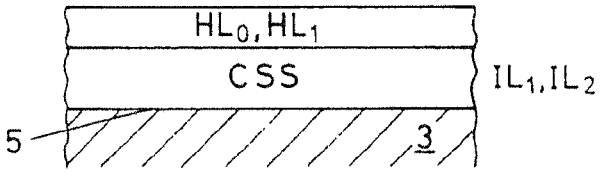


FIG.2

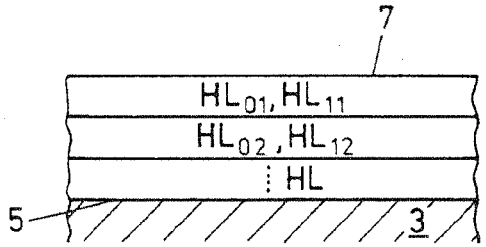


FIG.3

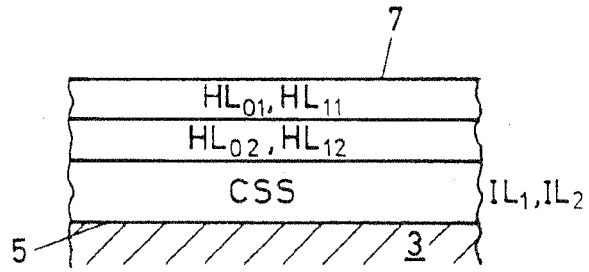


FIG.4

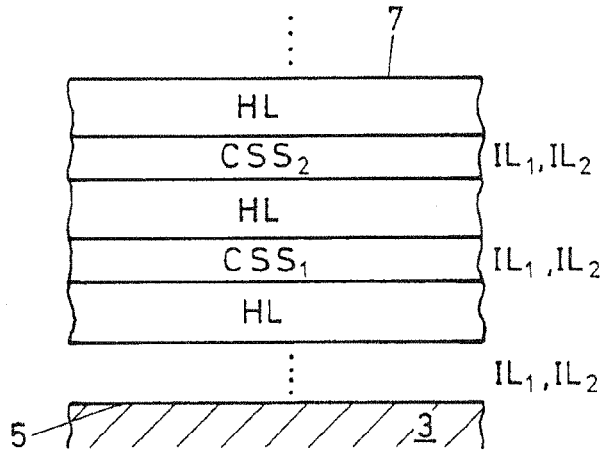


FIG.5

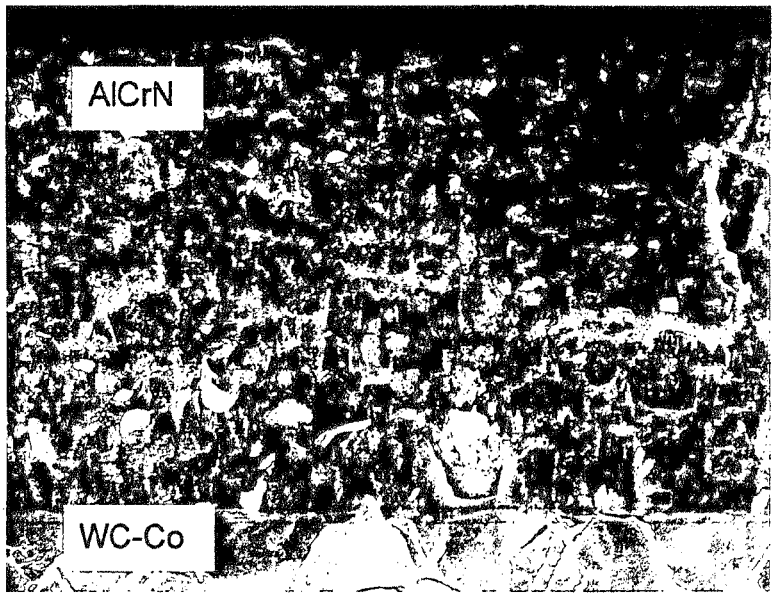


Fig. 6

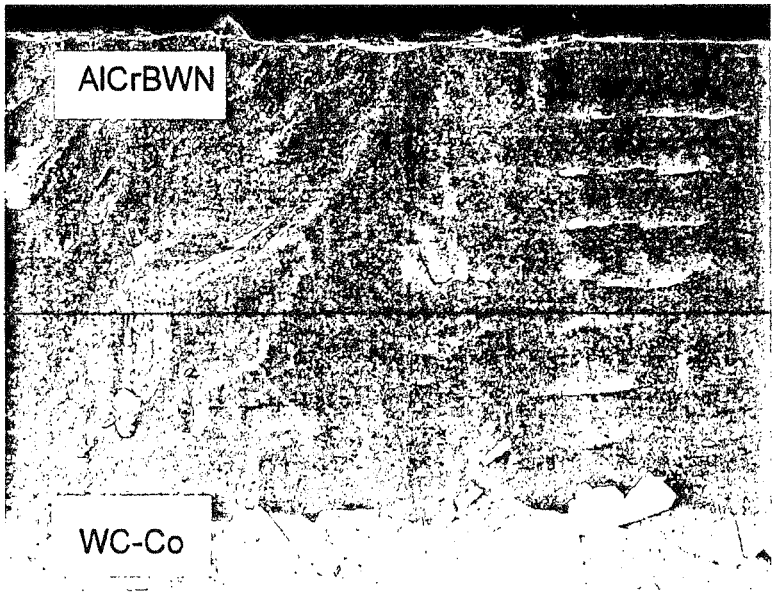


Fig. 7

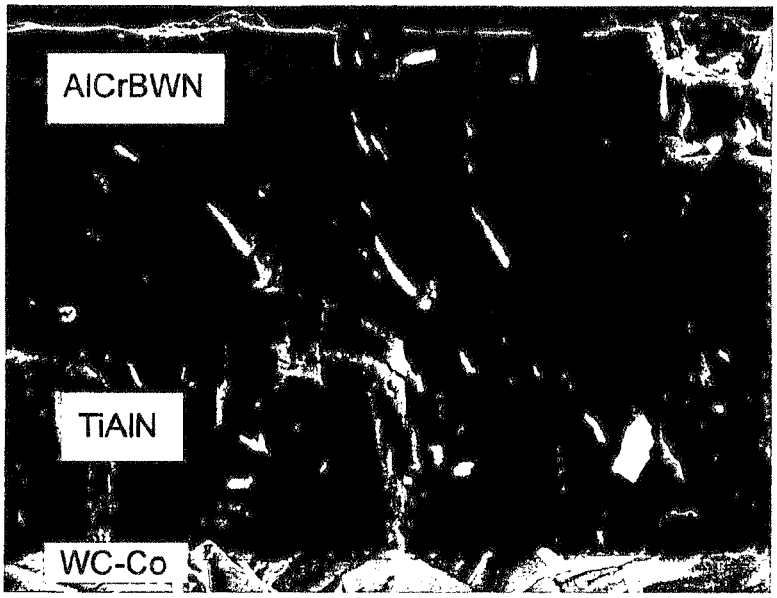


Fig. 8

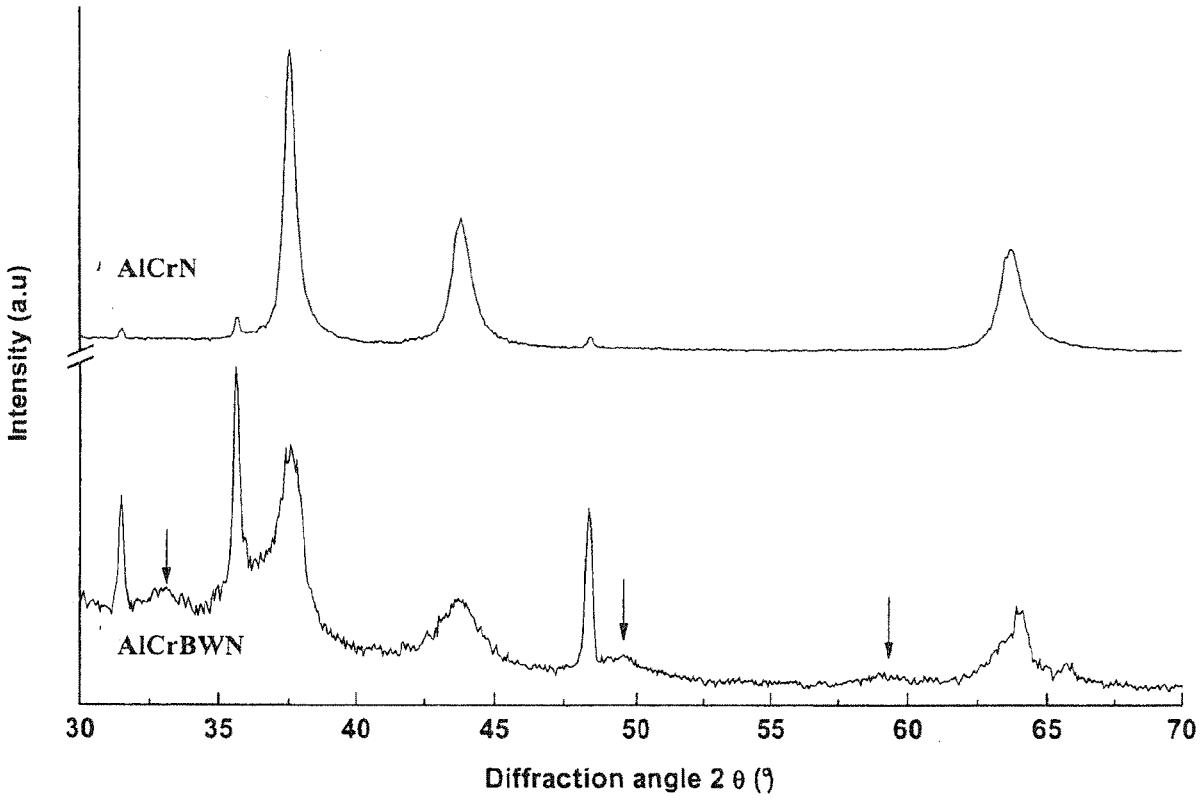

AlCrN
AlCrBWN
Intensity (a.u)
30
35
40
45
50
55
60
65
70
Diffraction angle 2 θ (°)

Fig.9

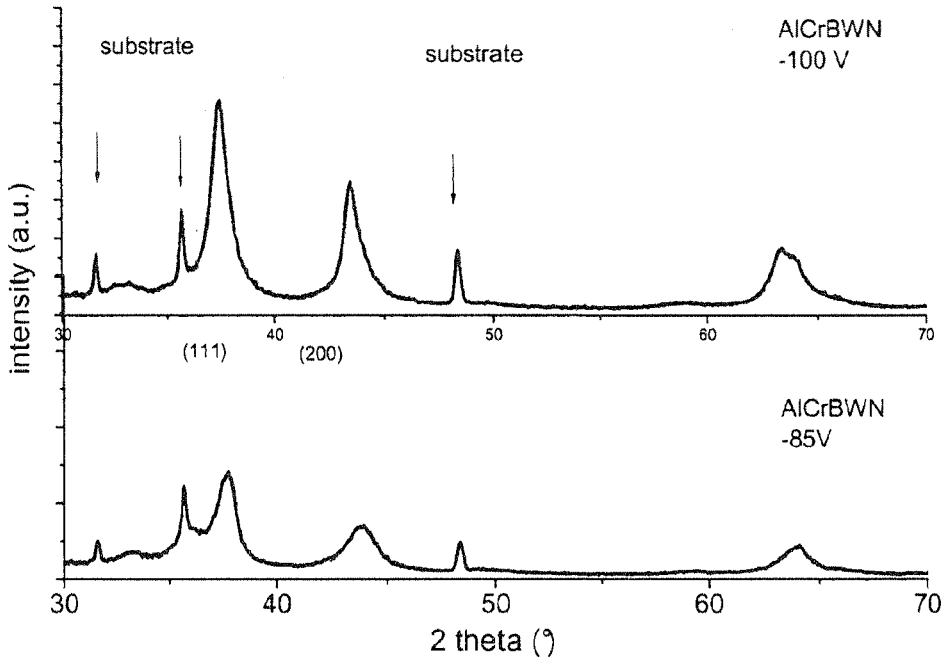

substrate
substrate
AlCrBWN
-100 V
intensity (a.u.)
30
40
50
60
70
(111)
(200)
AlCrBWN
-85V
30
40
50
60
70
2 theta (°)

Fig 10