FIG. 1

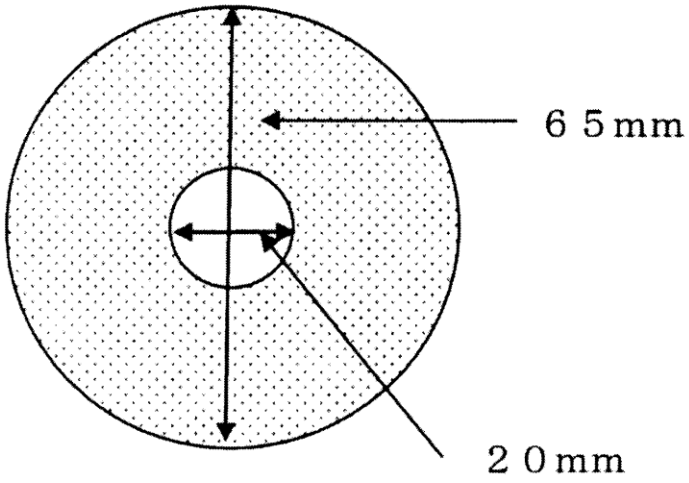


FIG. 2

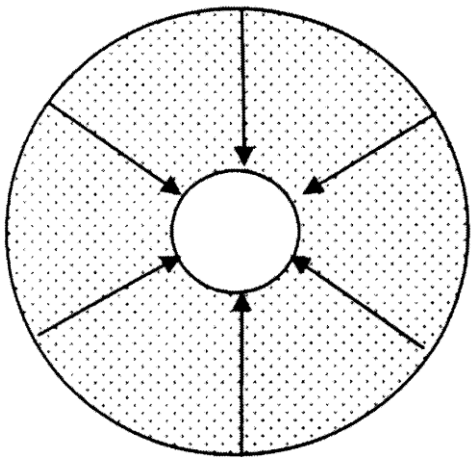
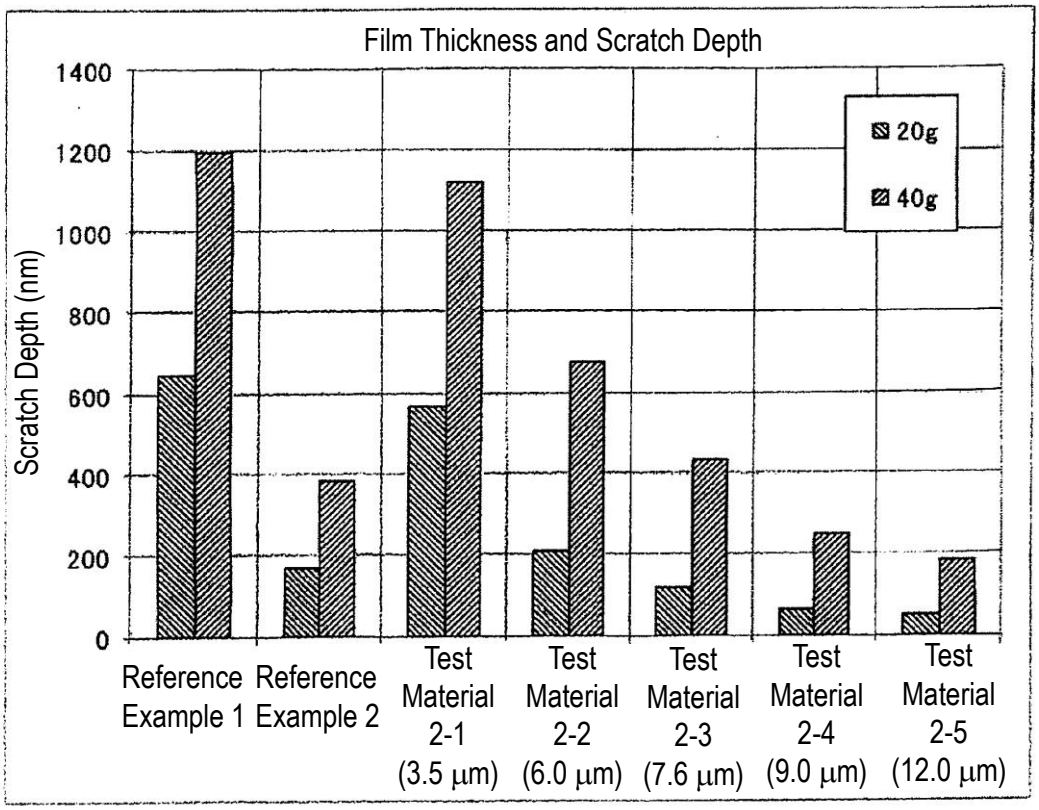


FIG. 3


Film Thickness and Scratch Depth
Scratch Depth (nm)
1400
1200
1000
800
600
400
200
0
20g
40g
Reference Example 1
Reference Example 2
Test Material 2-1 (3.5 μm)
Test Material 2-2 (6.0 μm)
Test Material 2-3 (7.6 μm)
Test Material 2-4 (9.0 μm)
Test Material 2-5 (12.0 μm)