

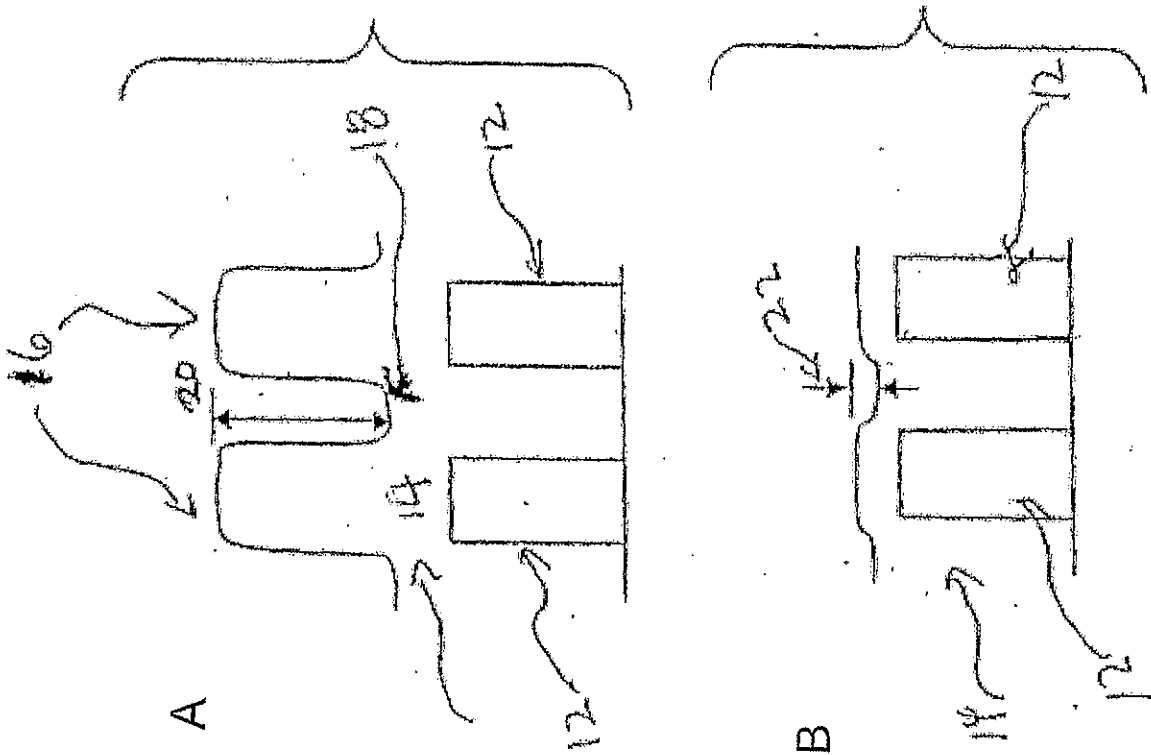


Figure 1

30

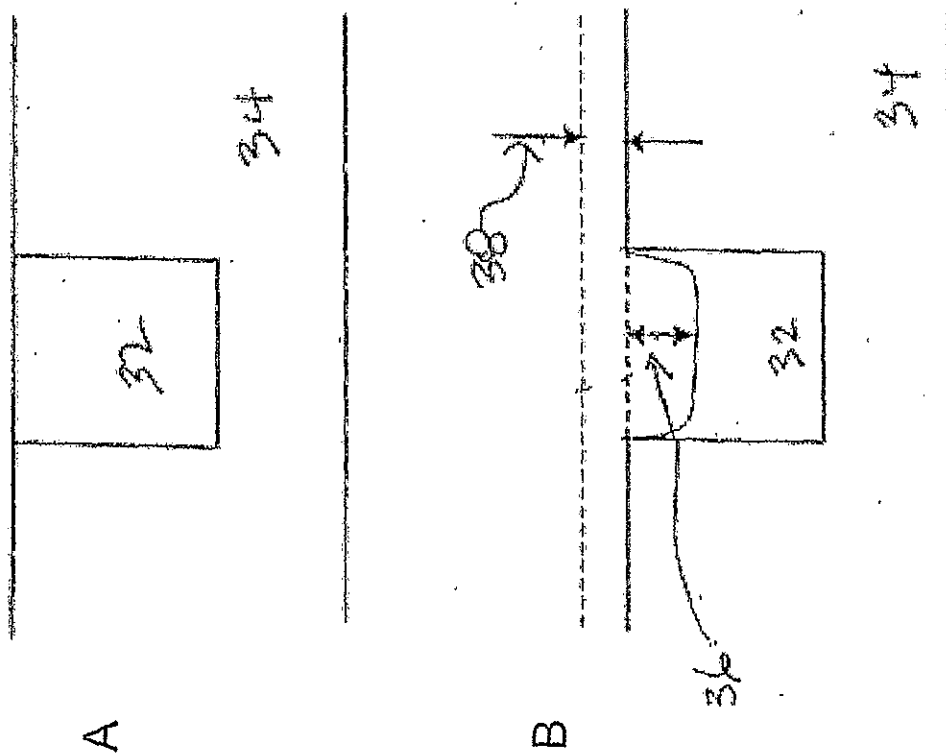


Figure 2

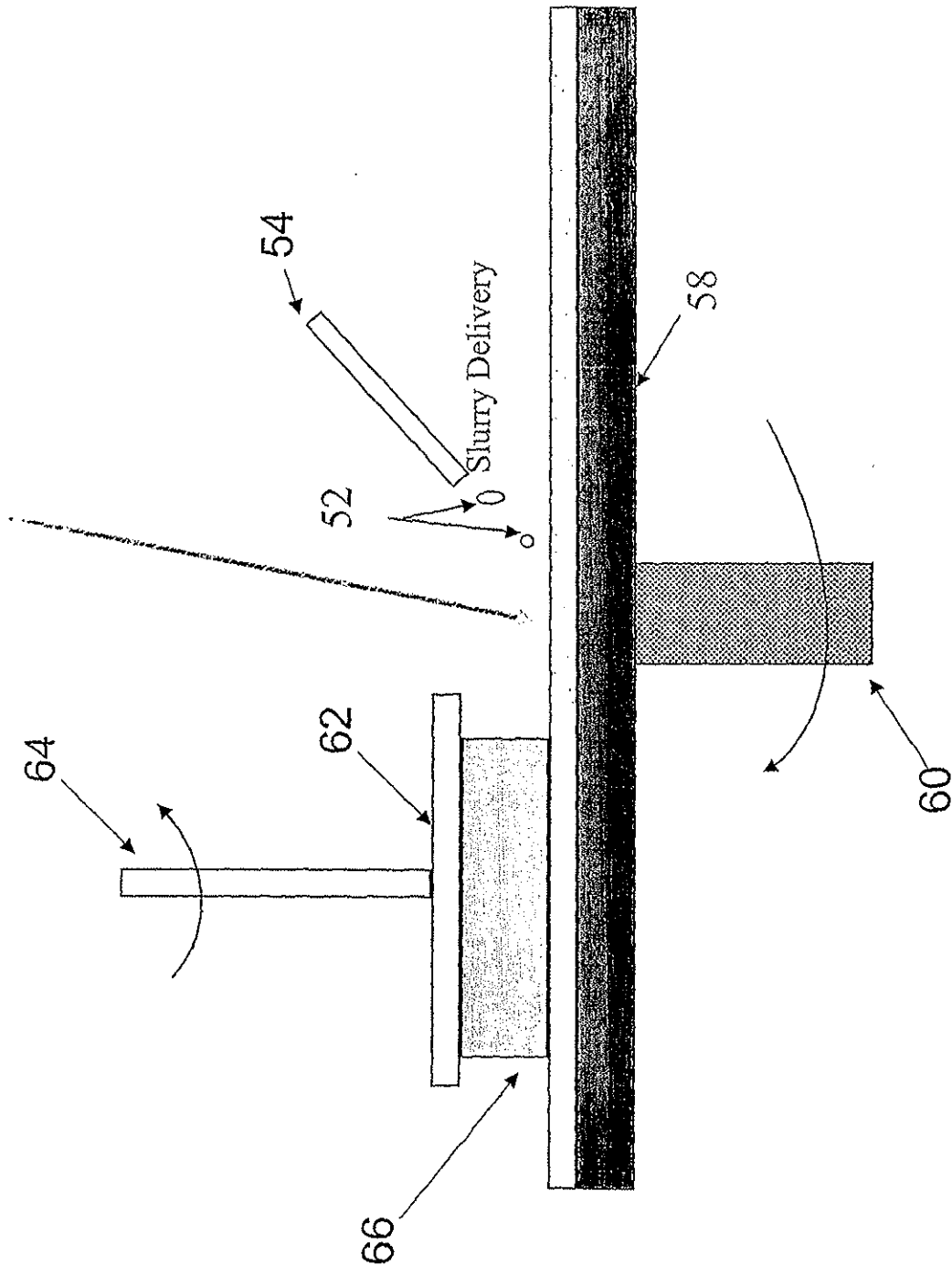


Figure 3

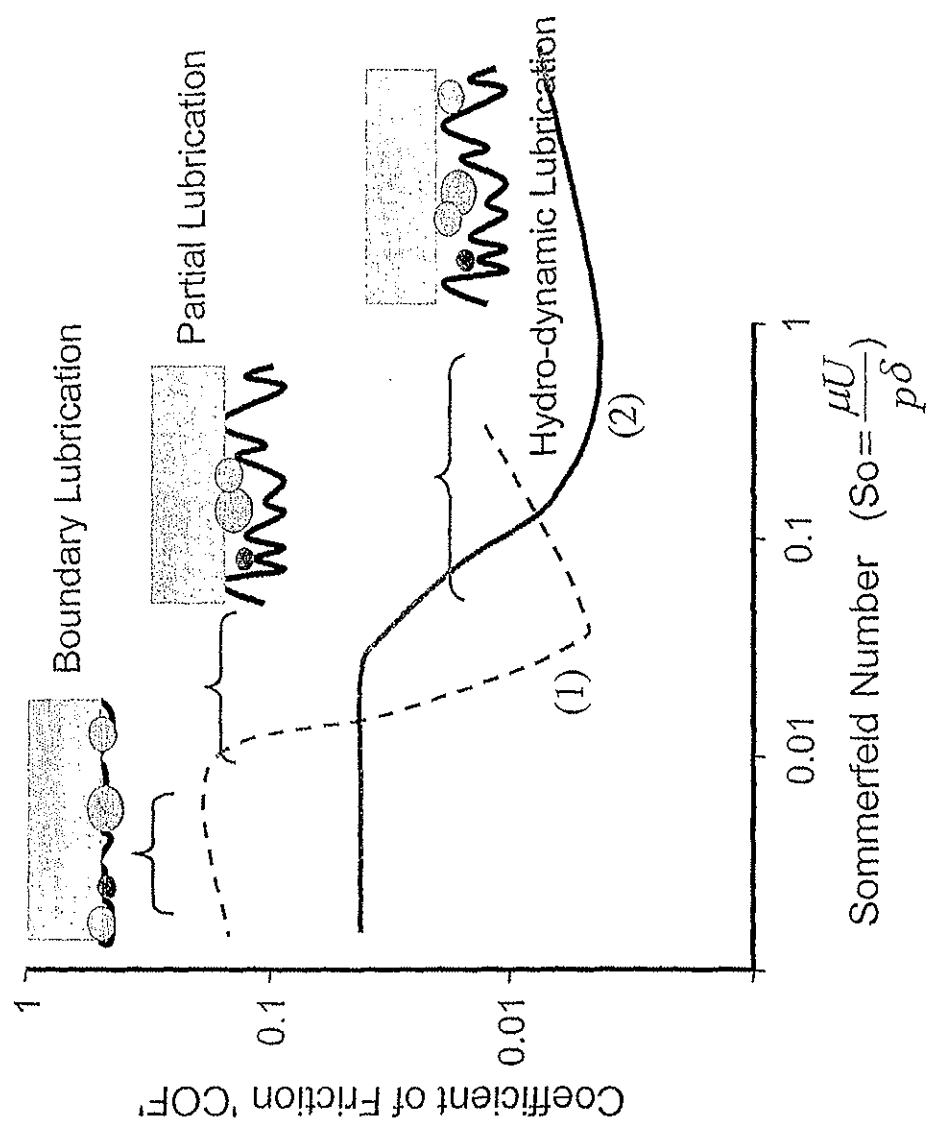


Figure 4

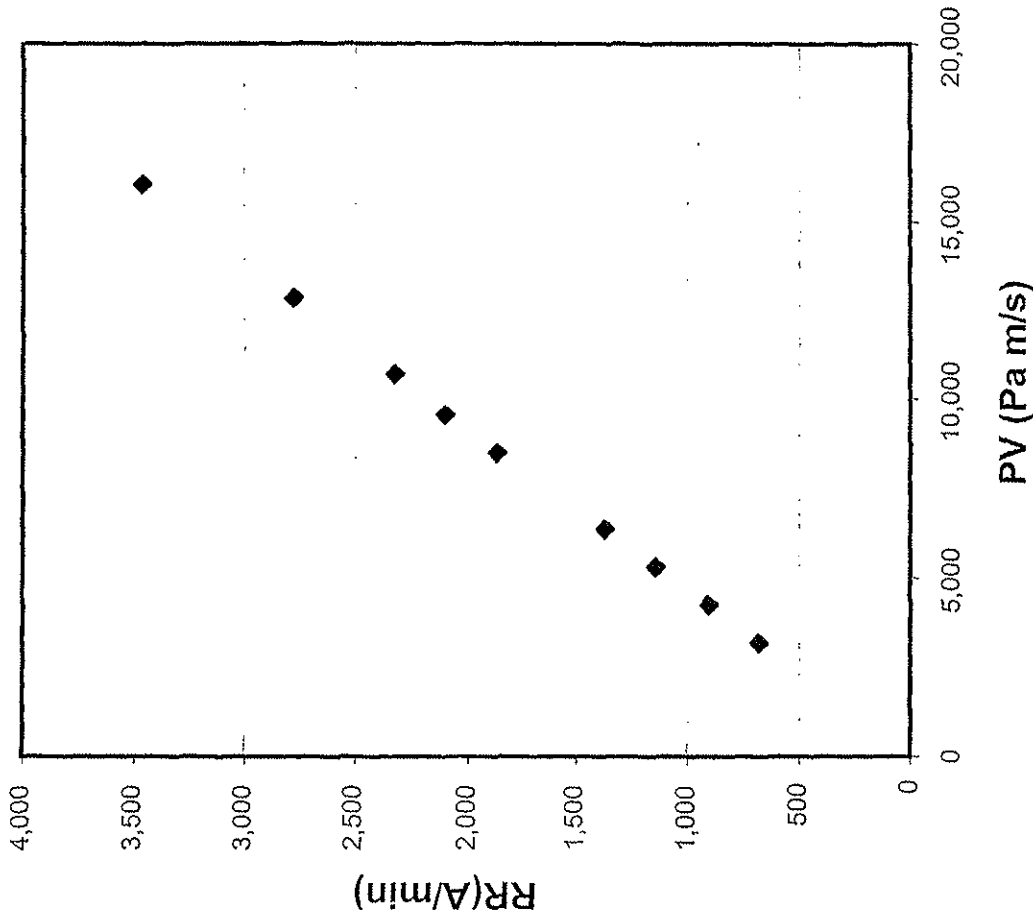
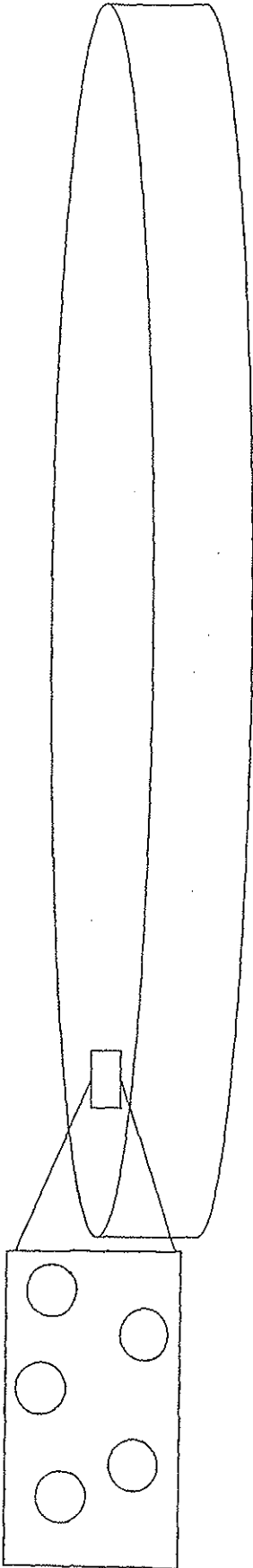


Figure 5

Mechanical properties can be controlled by the size of pores



Mechanical properties can be controlled by the amount of pores

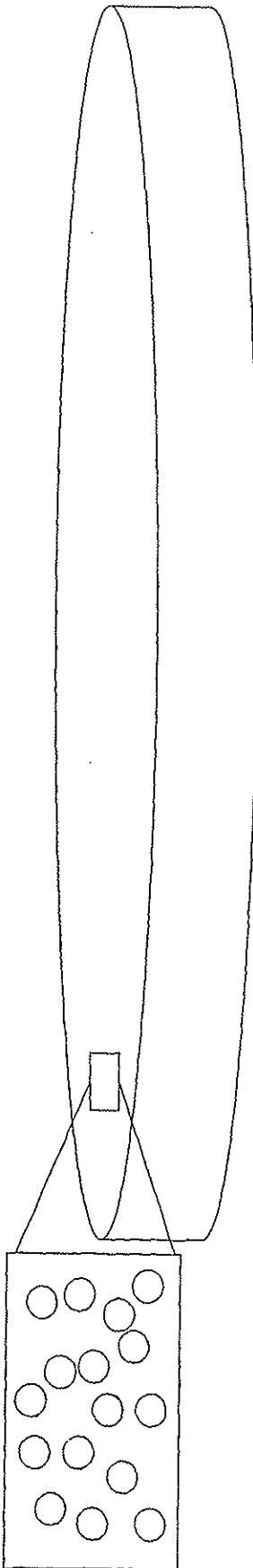


Figure 6

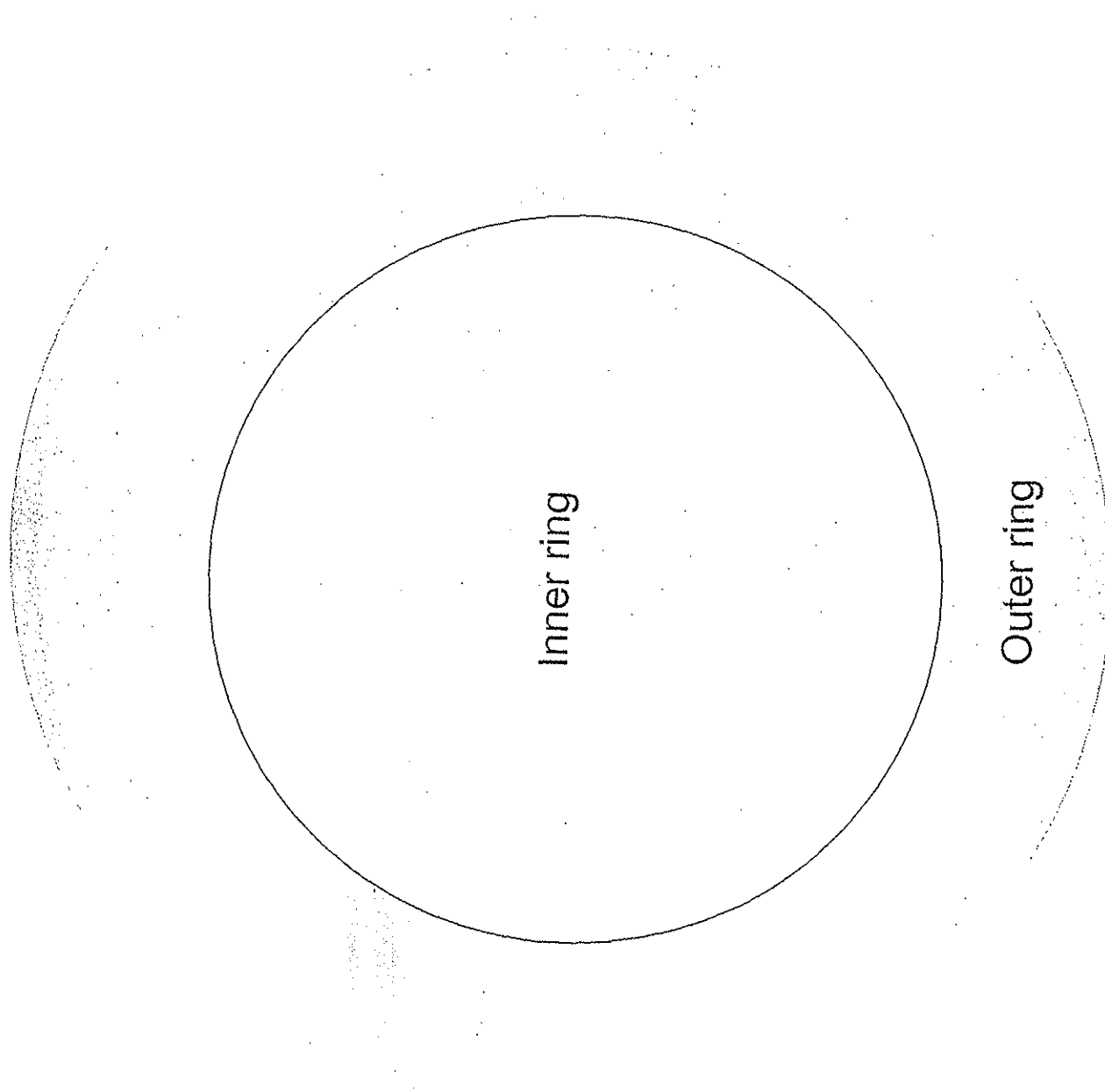


Figure 7

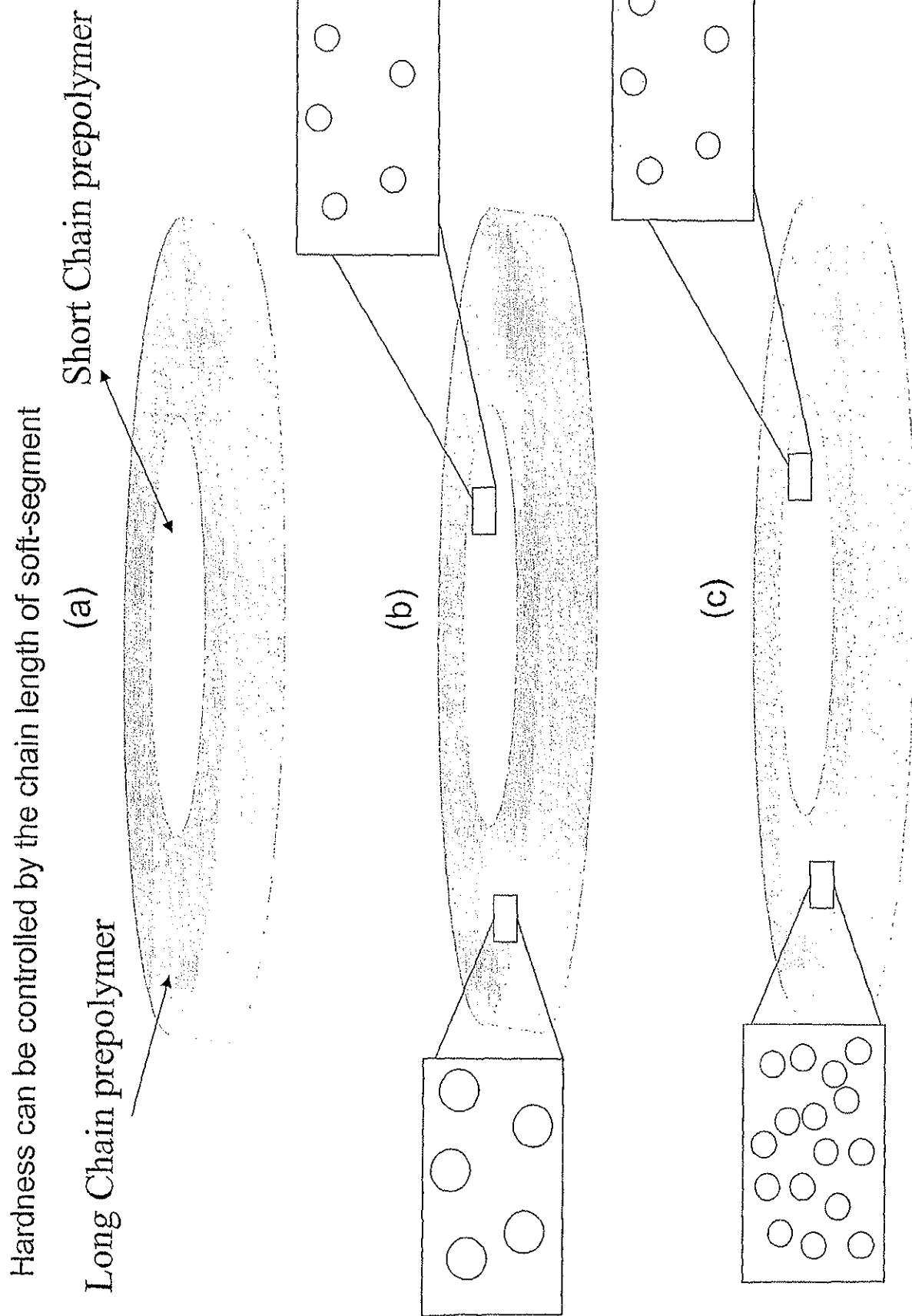


Figure 8

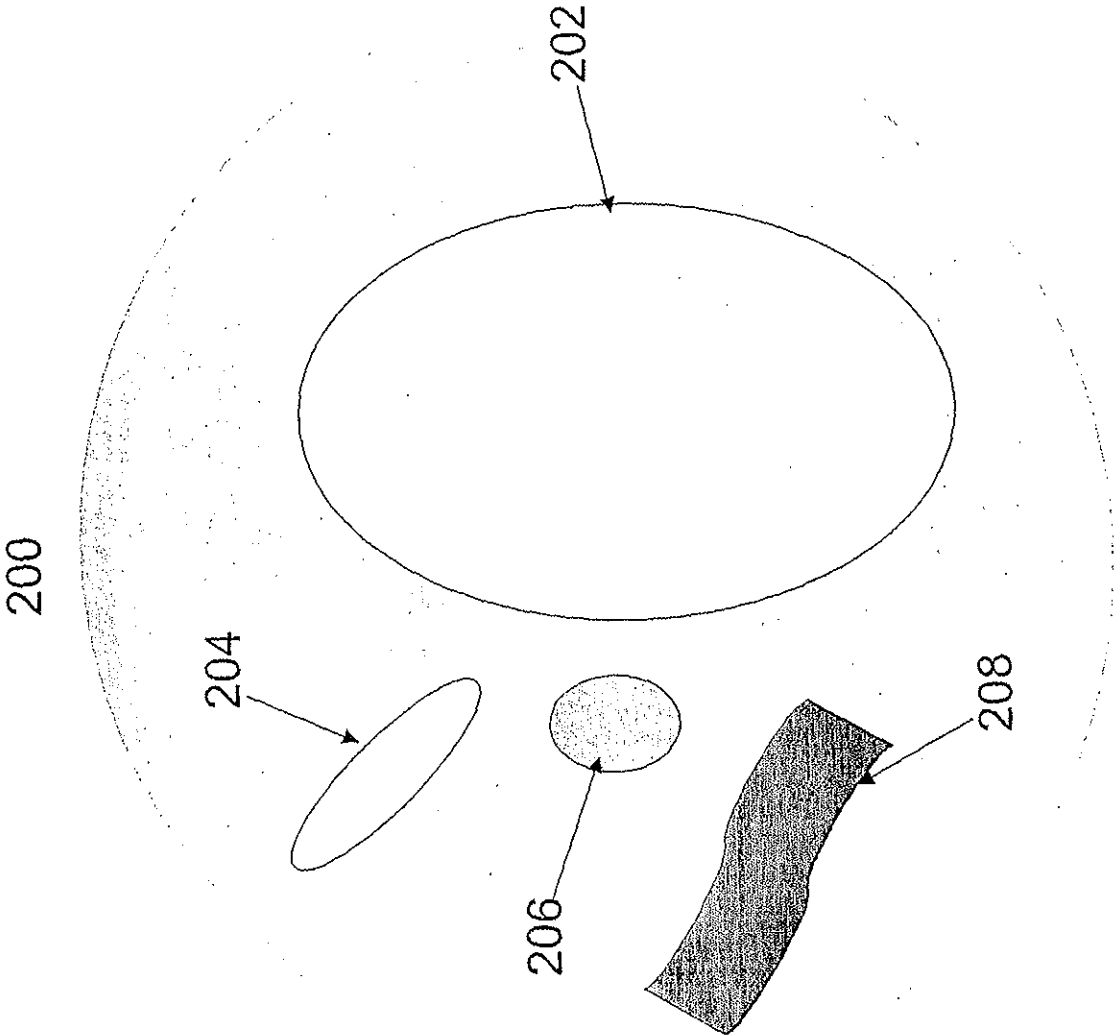


Figure 9

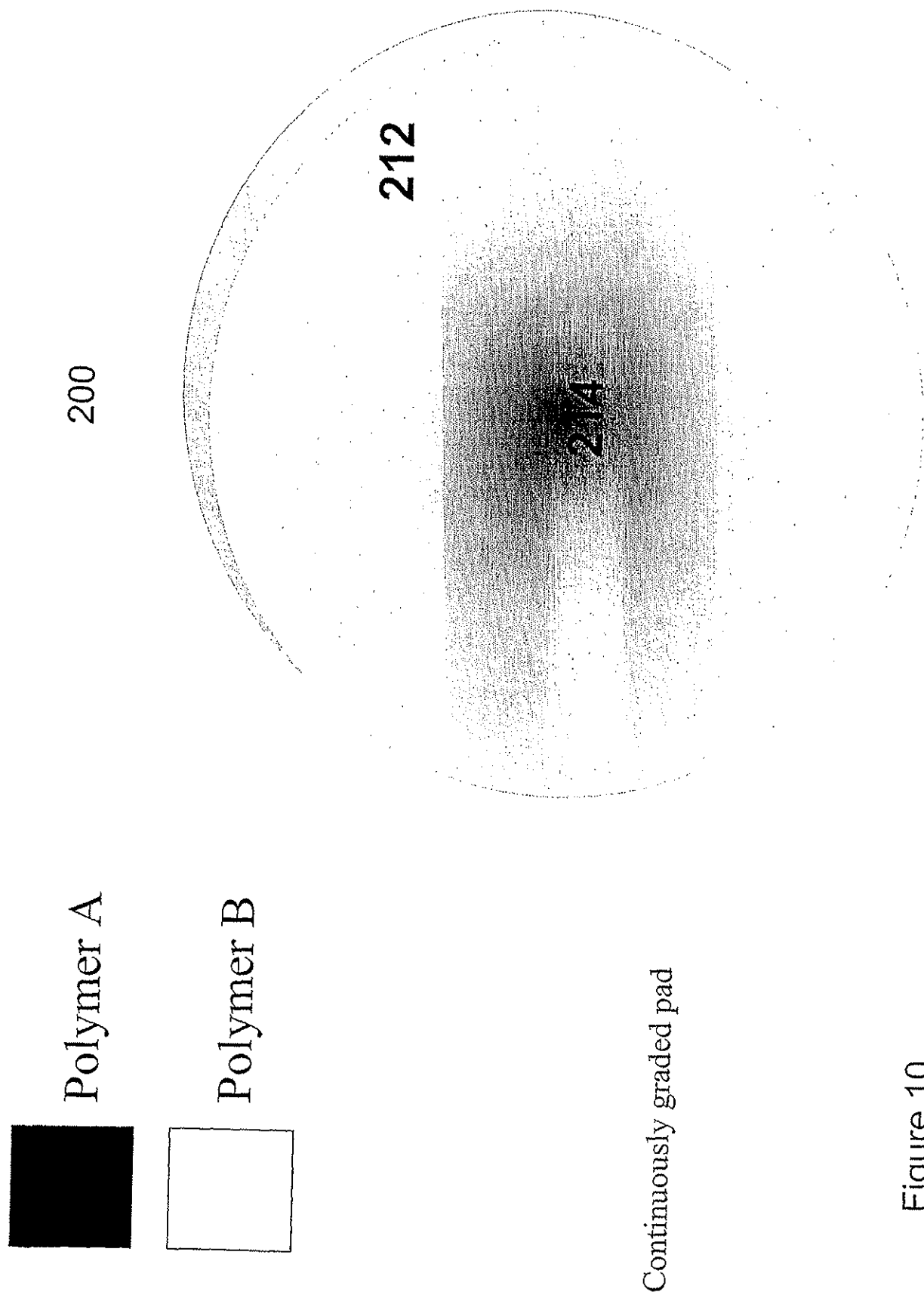


Figure 10

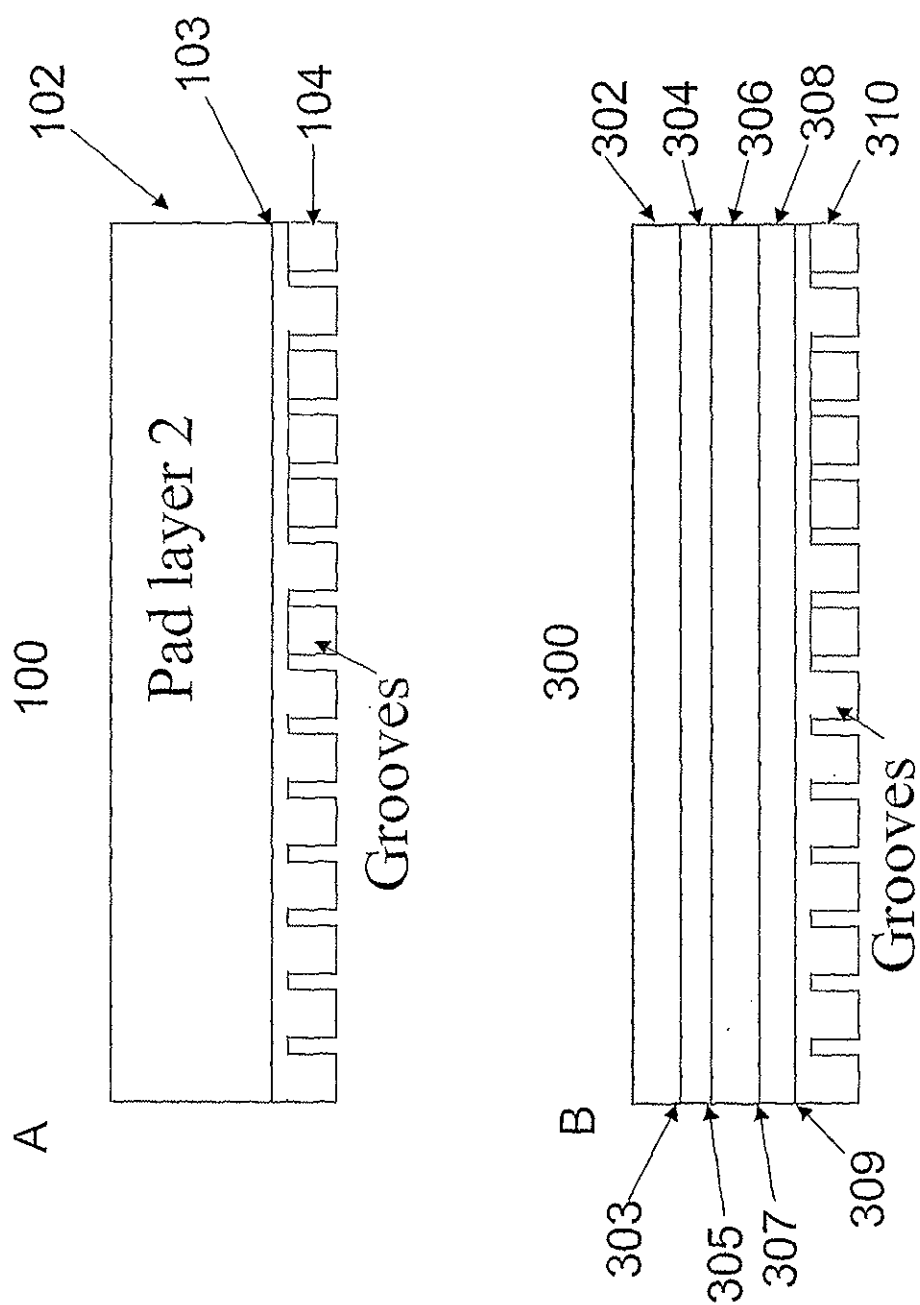


Figure 11

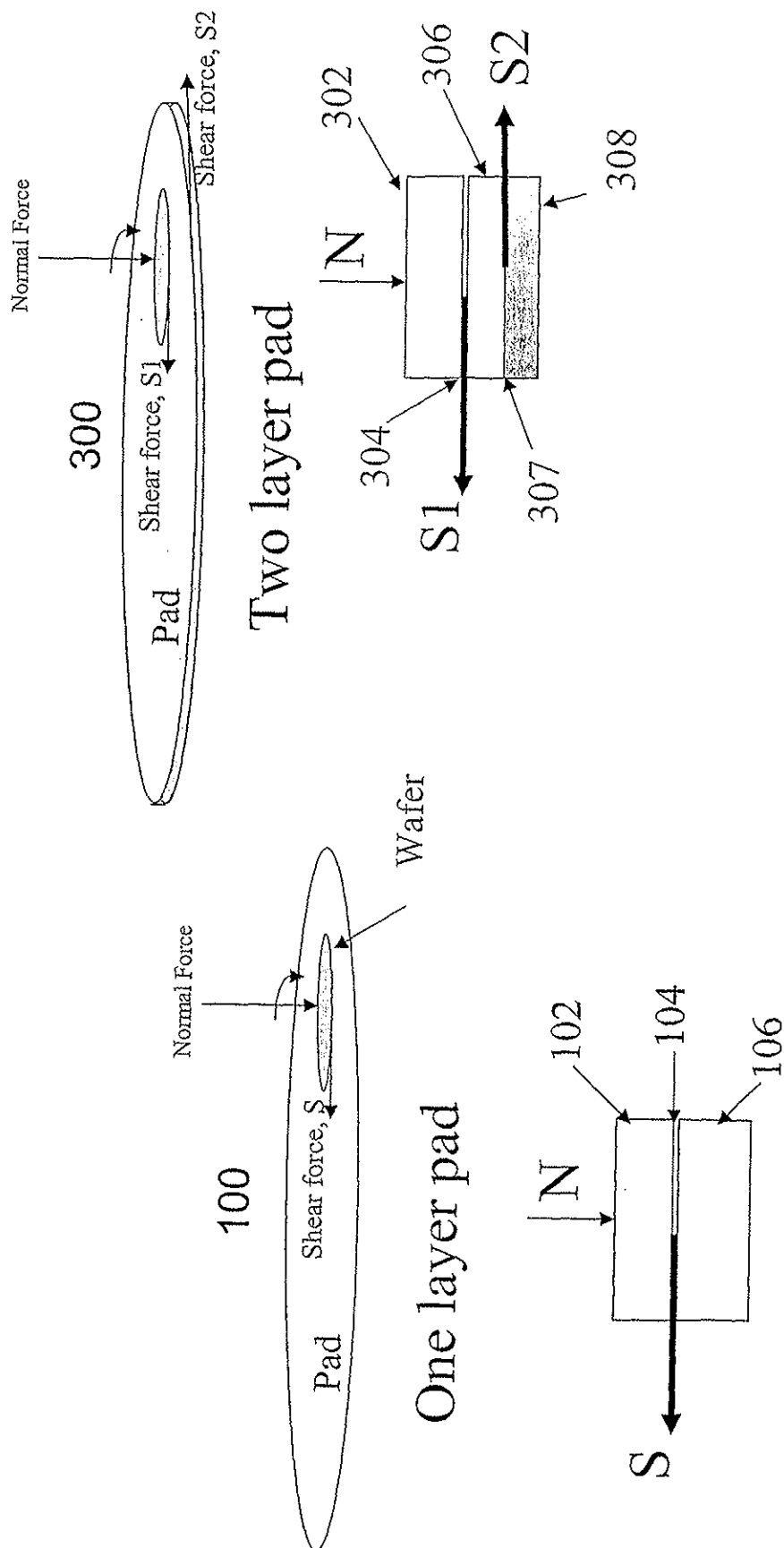


Figure 12

Stress strain characteristics of polycrystalline Copper

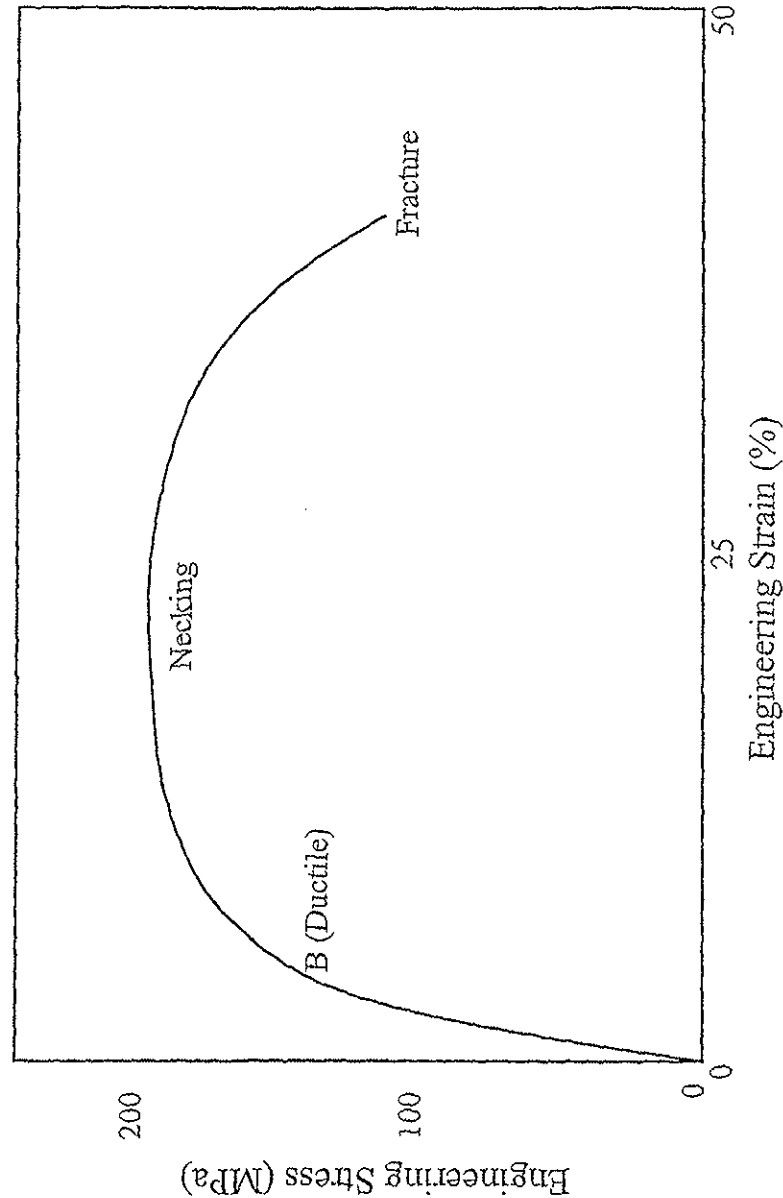


Figure 13

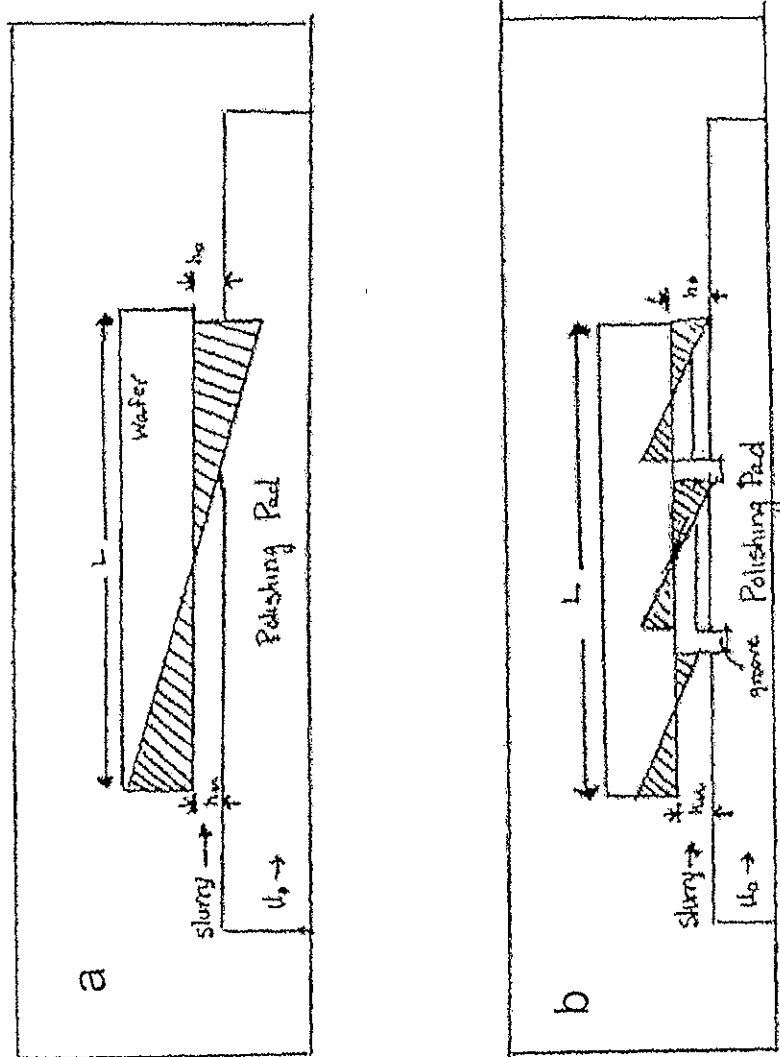


Figure 14

200

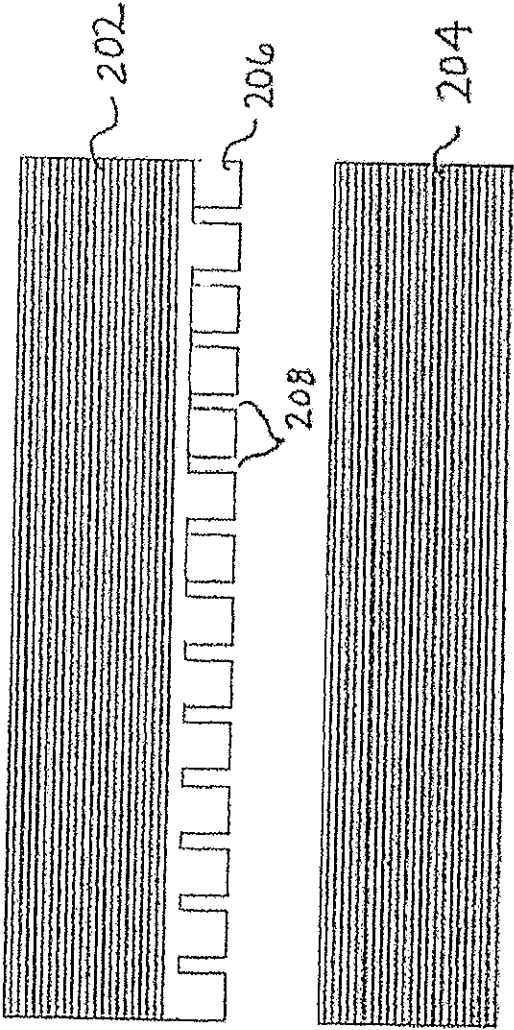


Figure 15

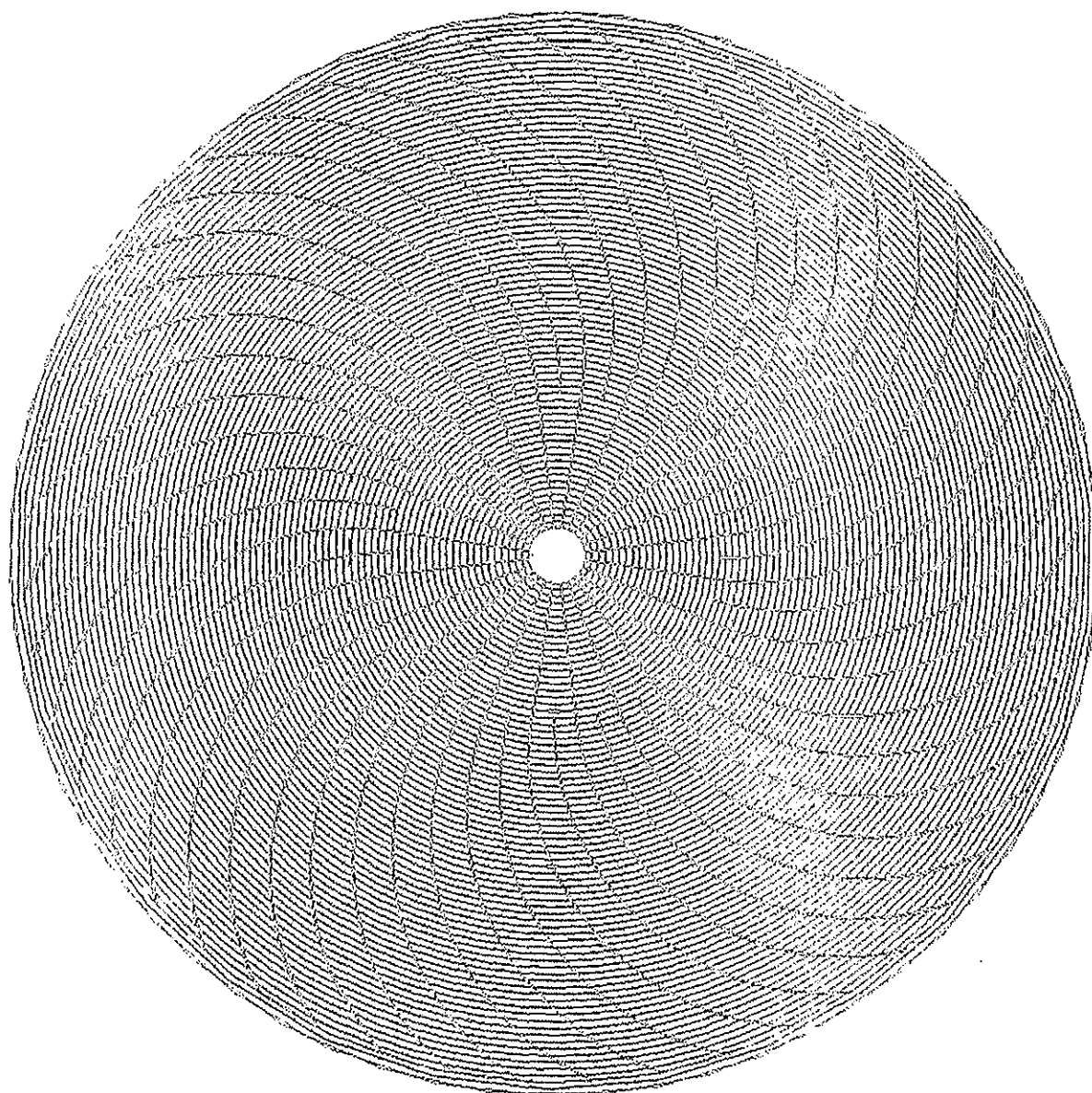


Figure 16A

20 inch part



Figure 16B

24 inch



Figure 16C

30 inch

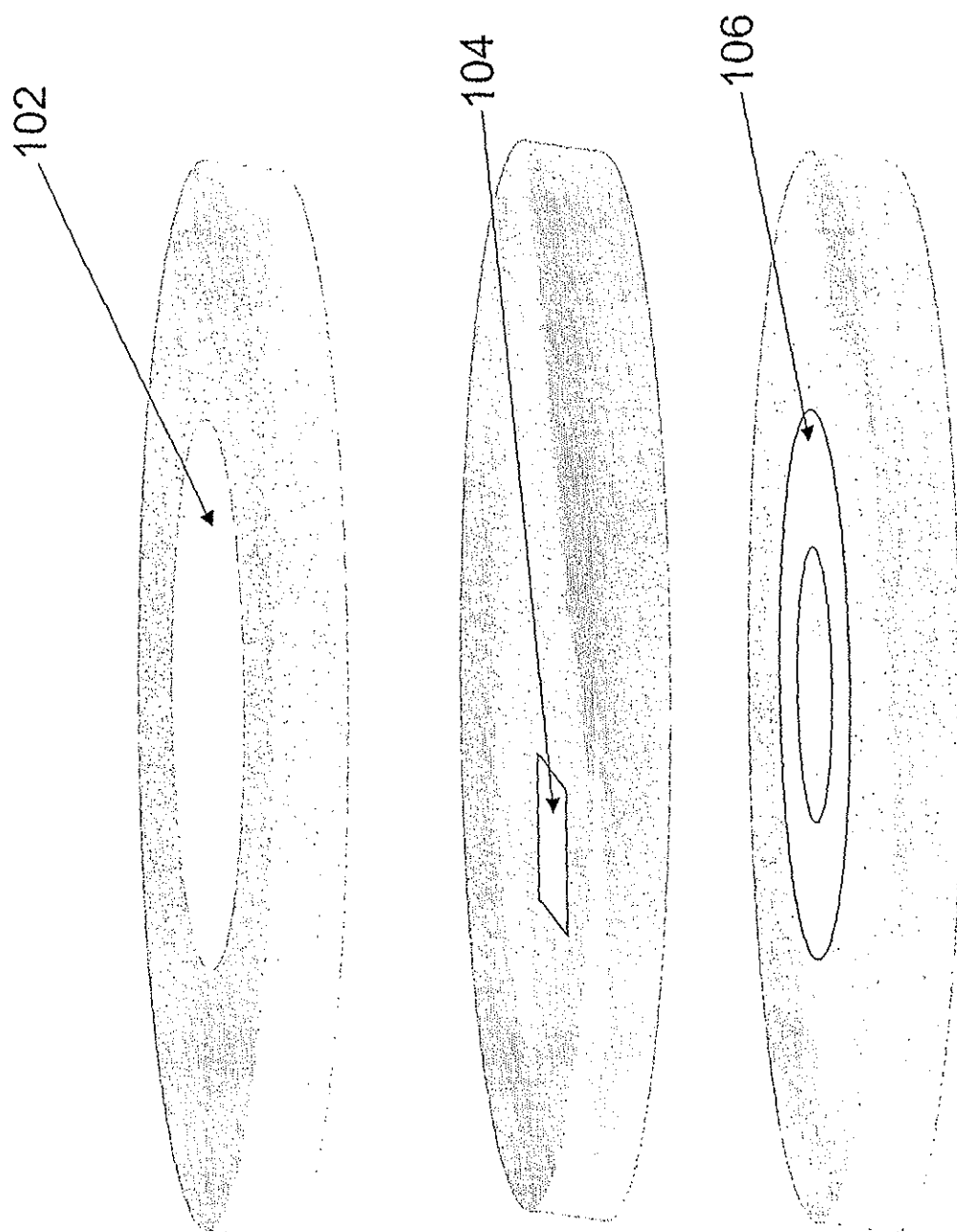


Figure 17

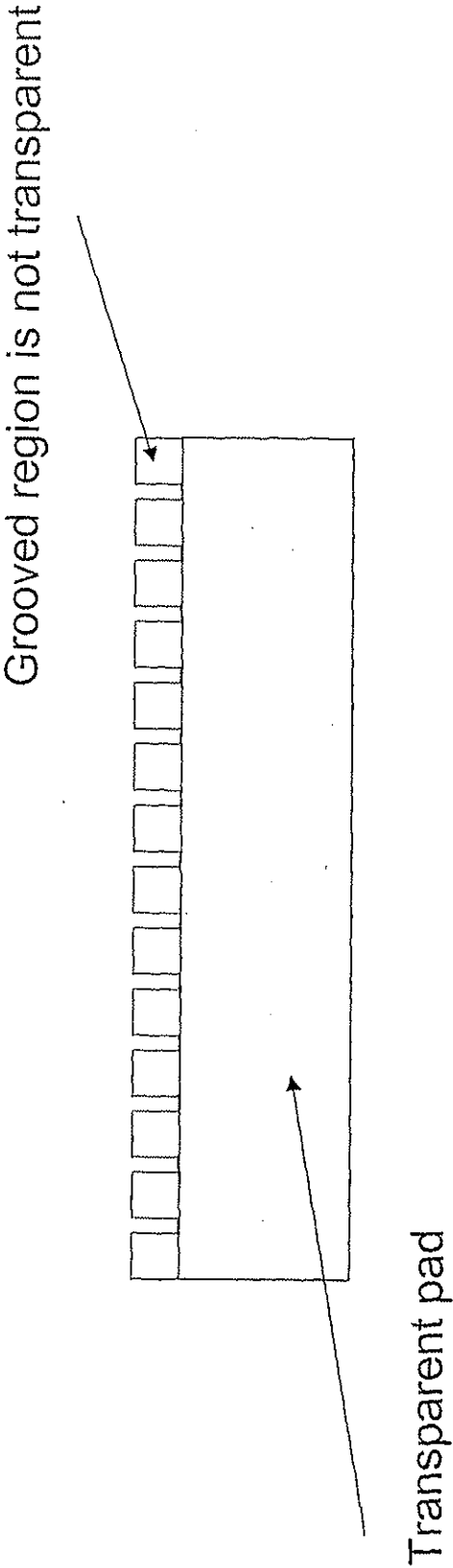


Figure 18

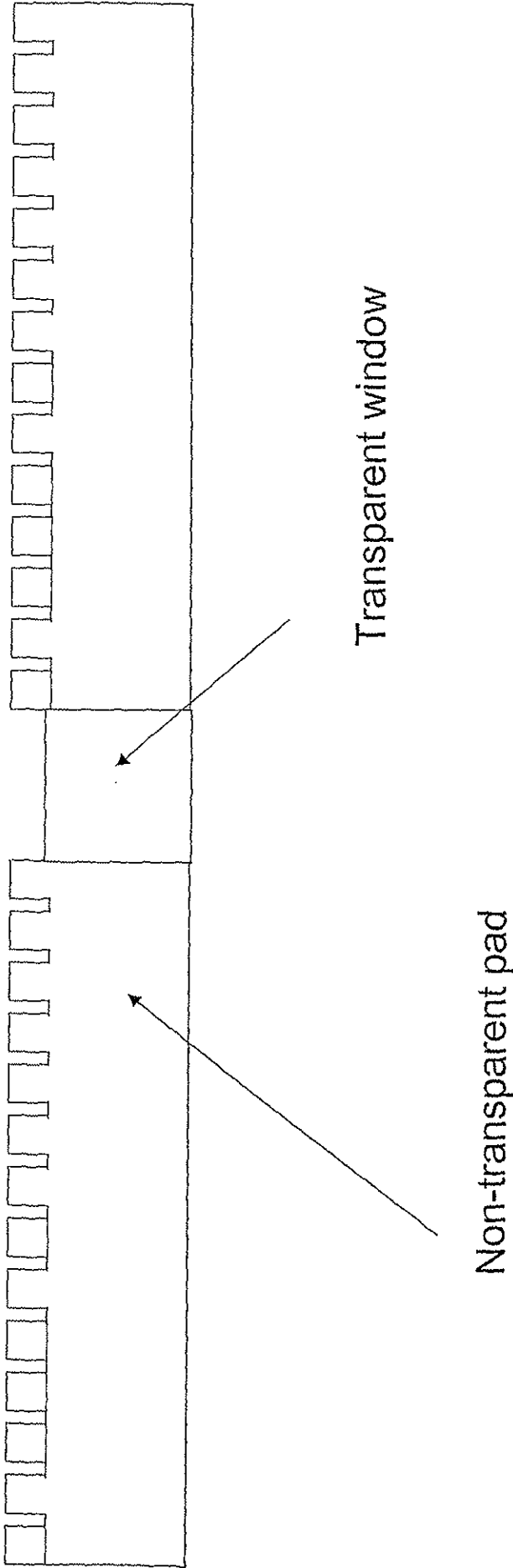


Figure 19

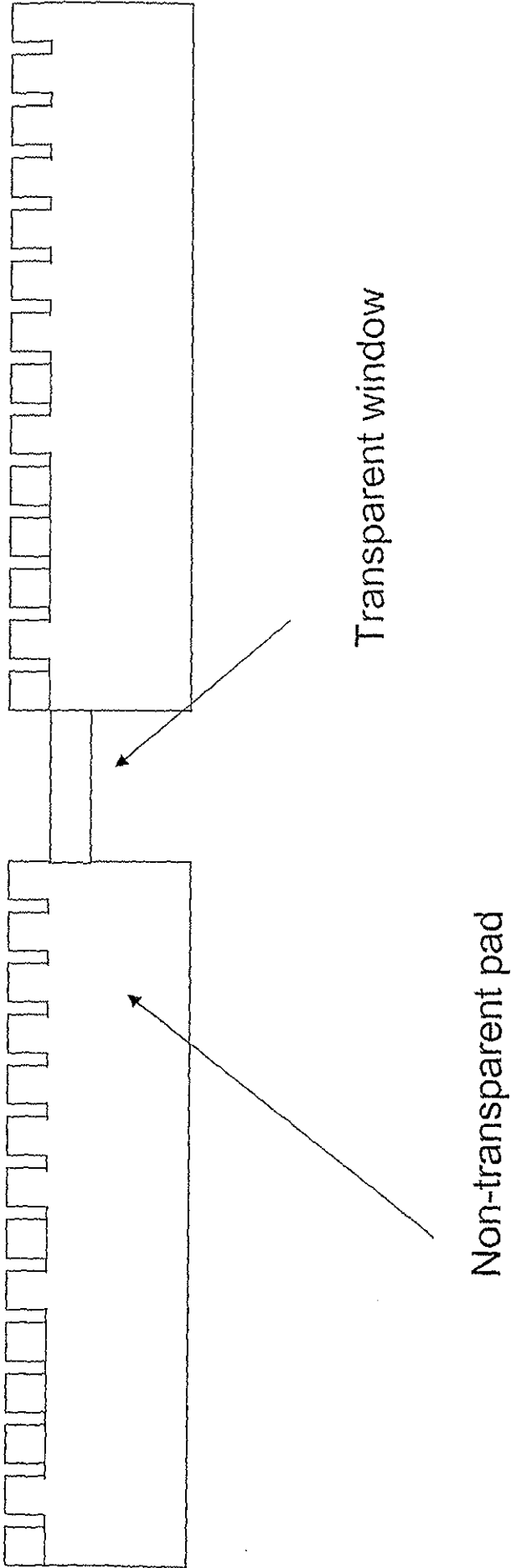


Figure 20

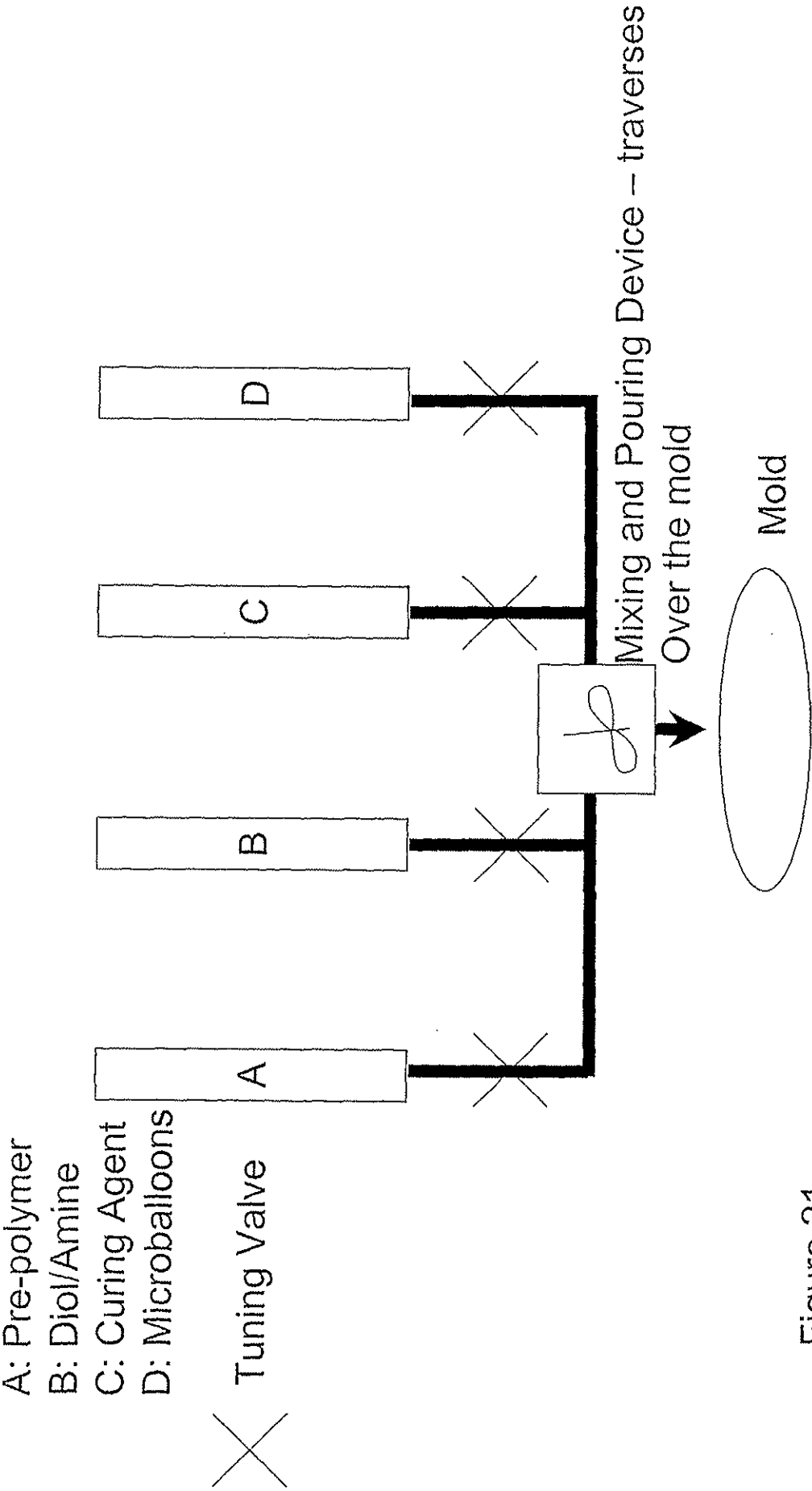


Figure 21

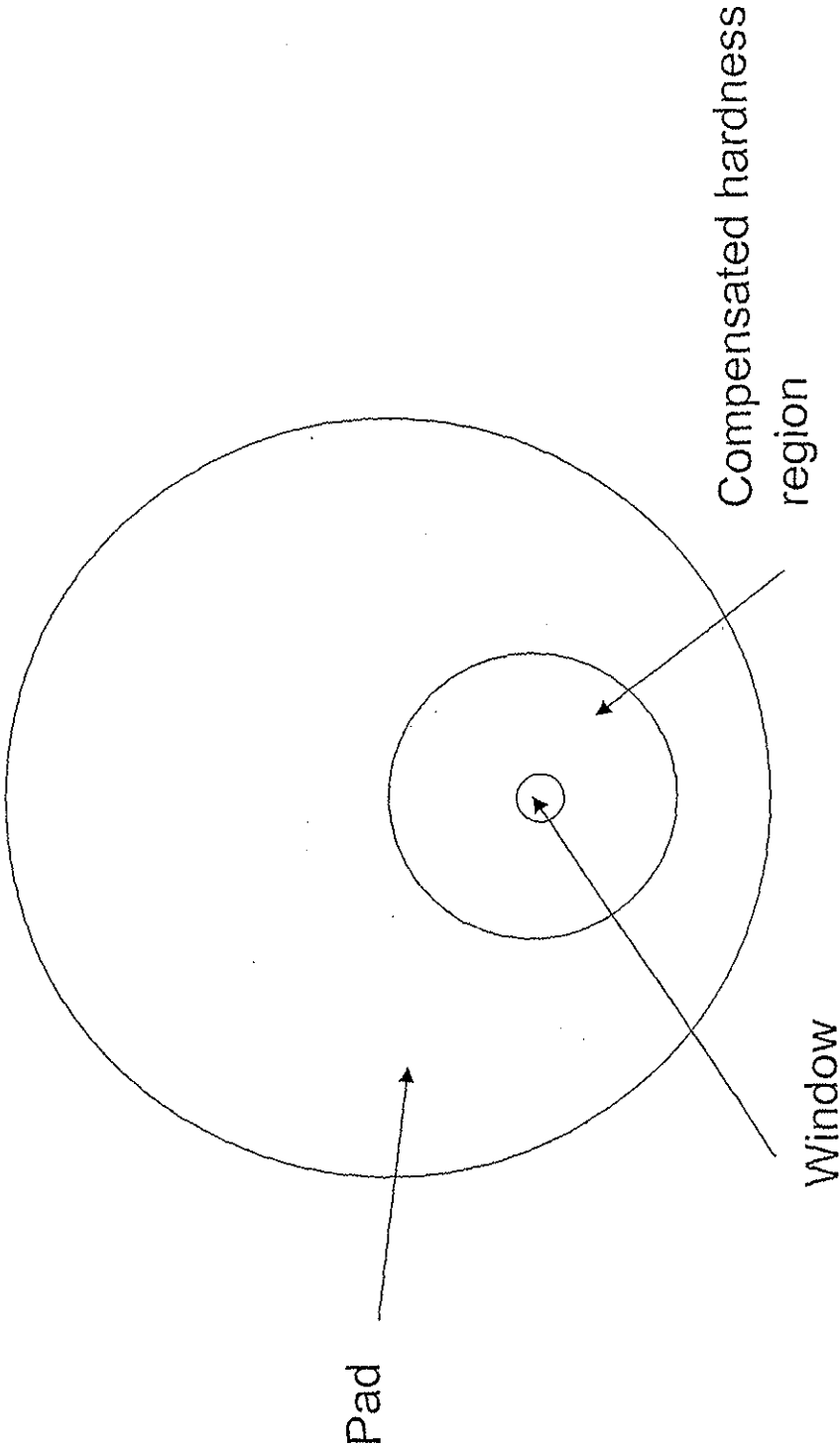


Figure 22

25/48

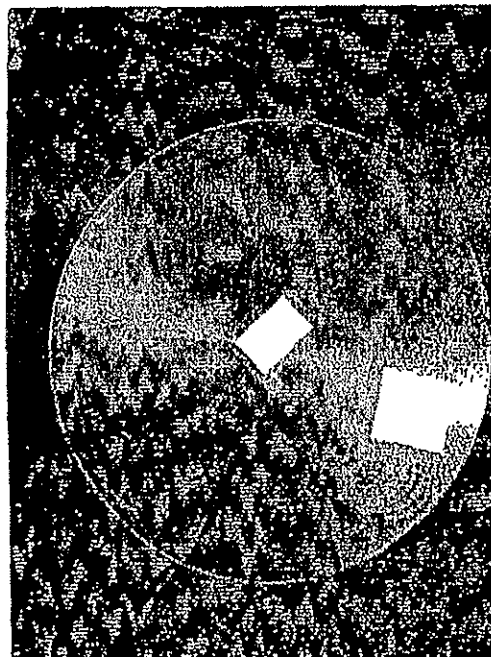
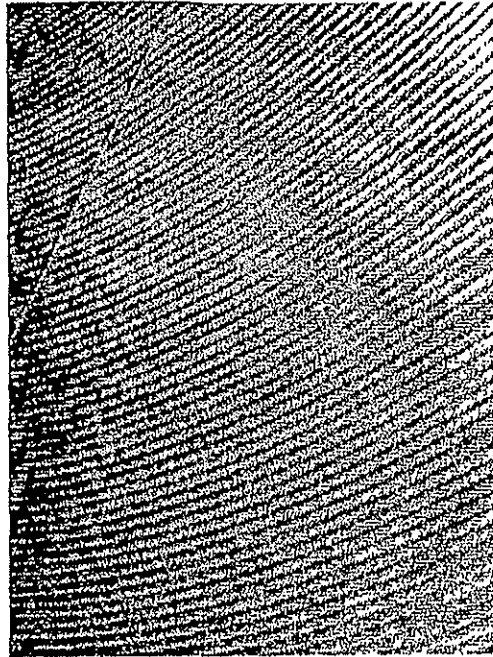


Figure 23

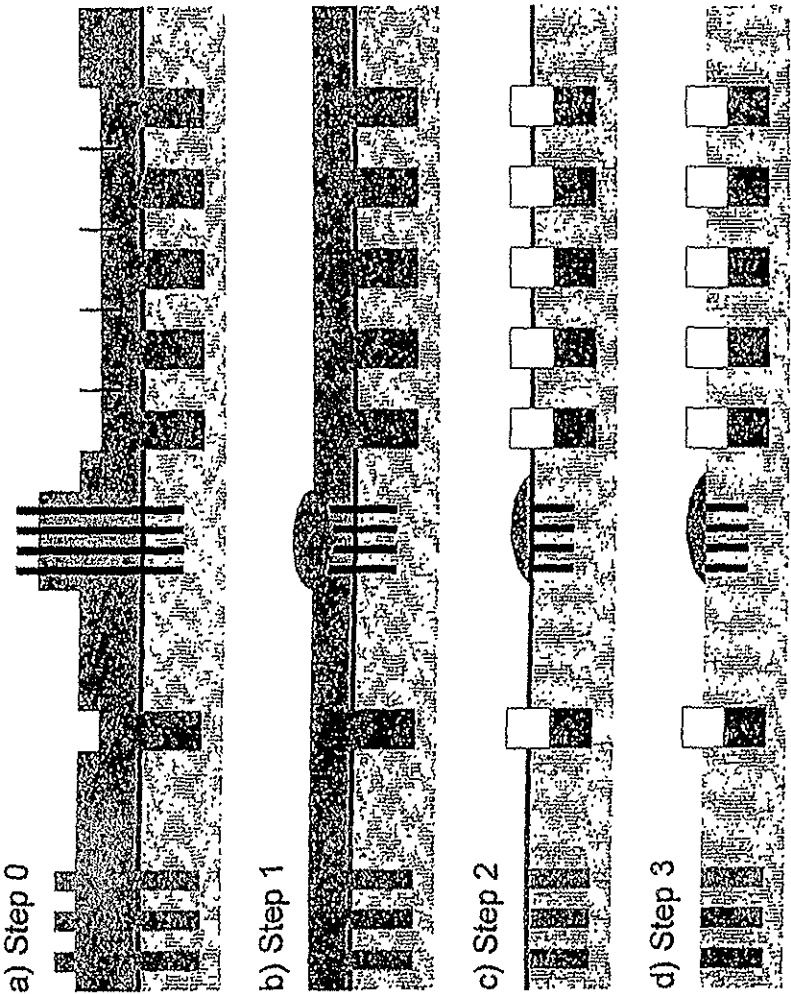


Figure 24

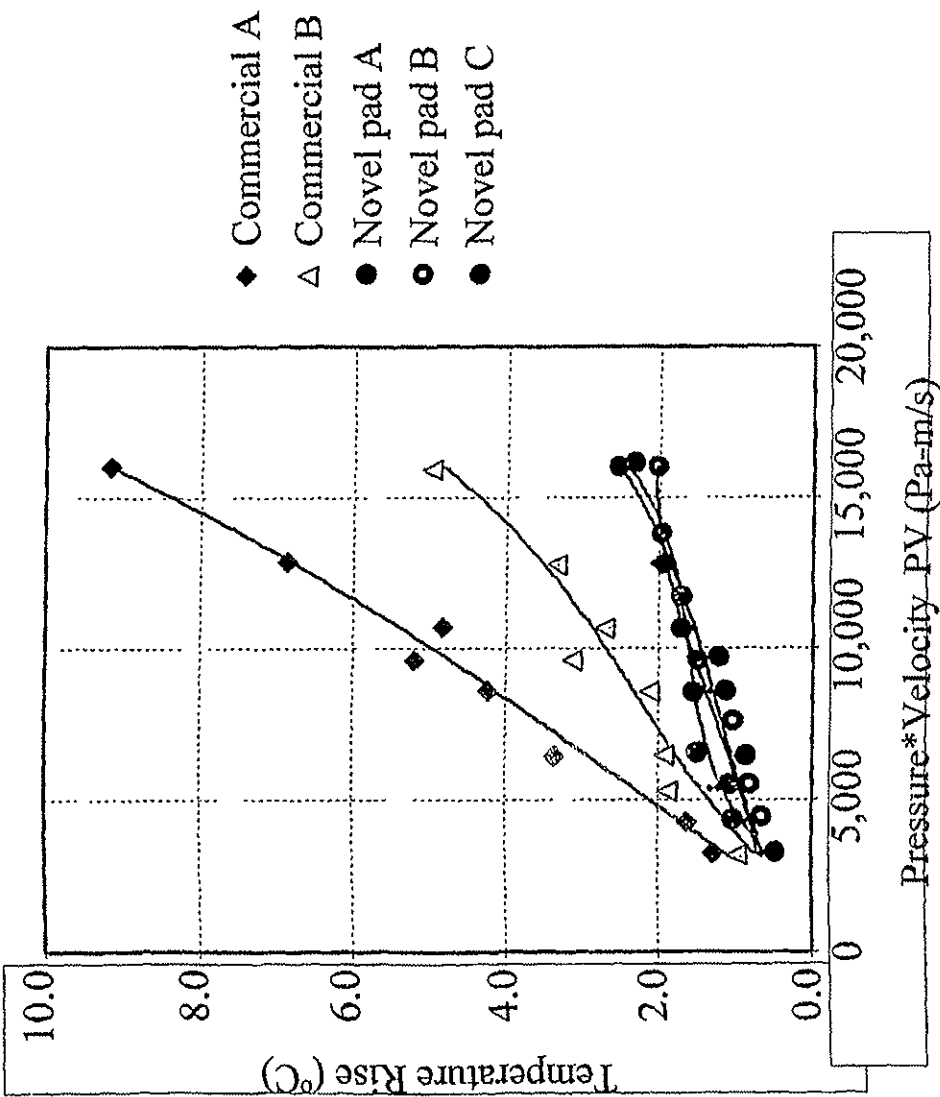
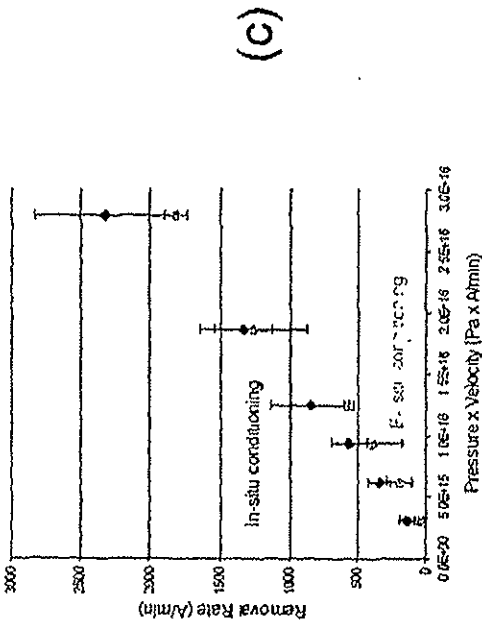
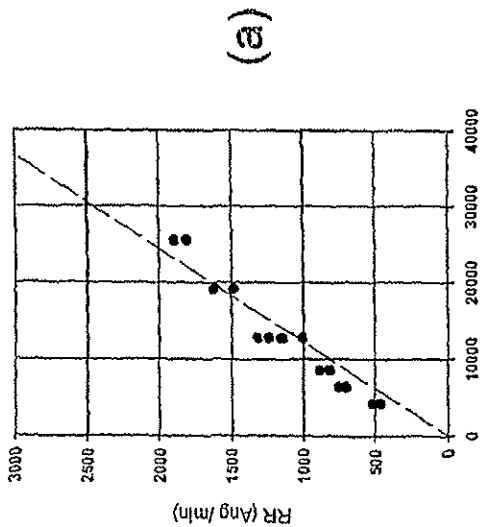


Figure 25



Commercial pad A

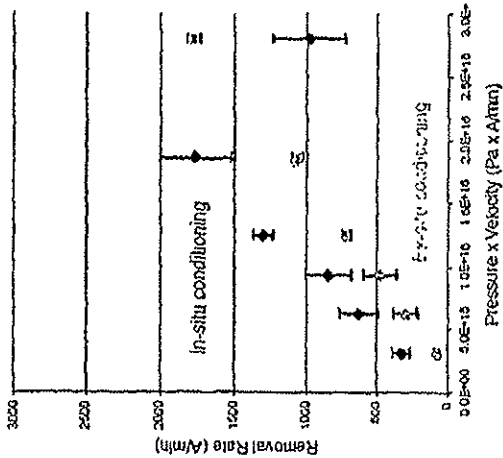
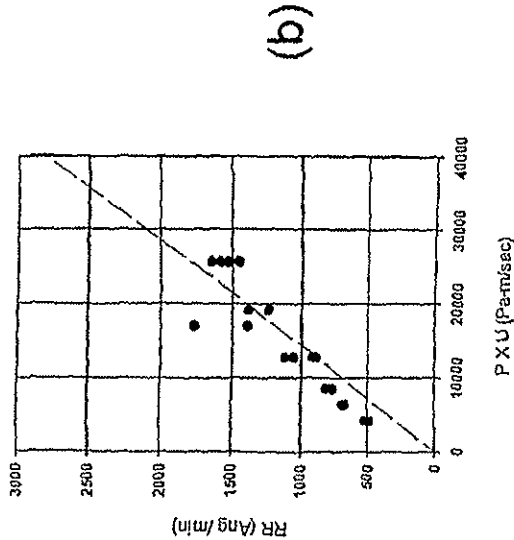
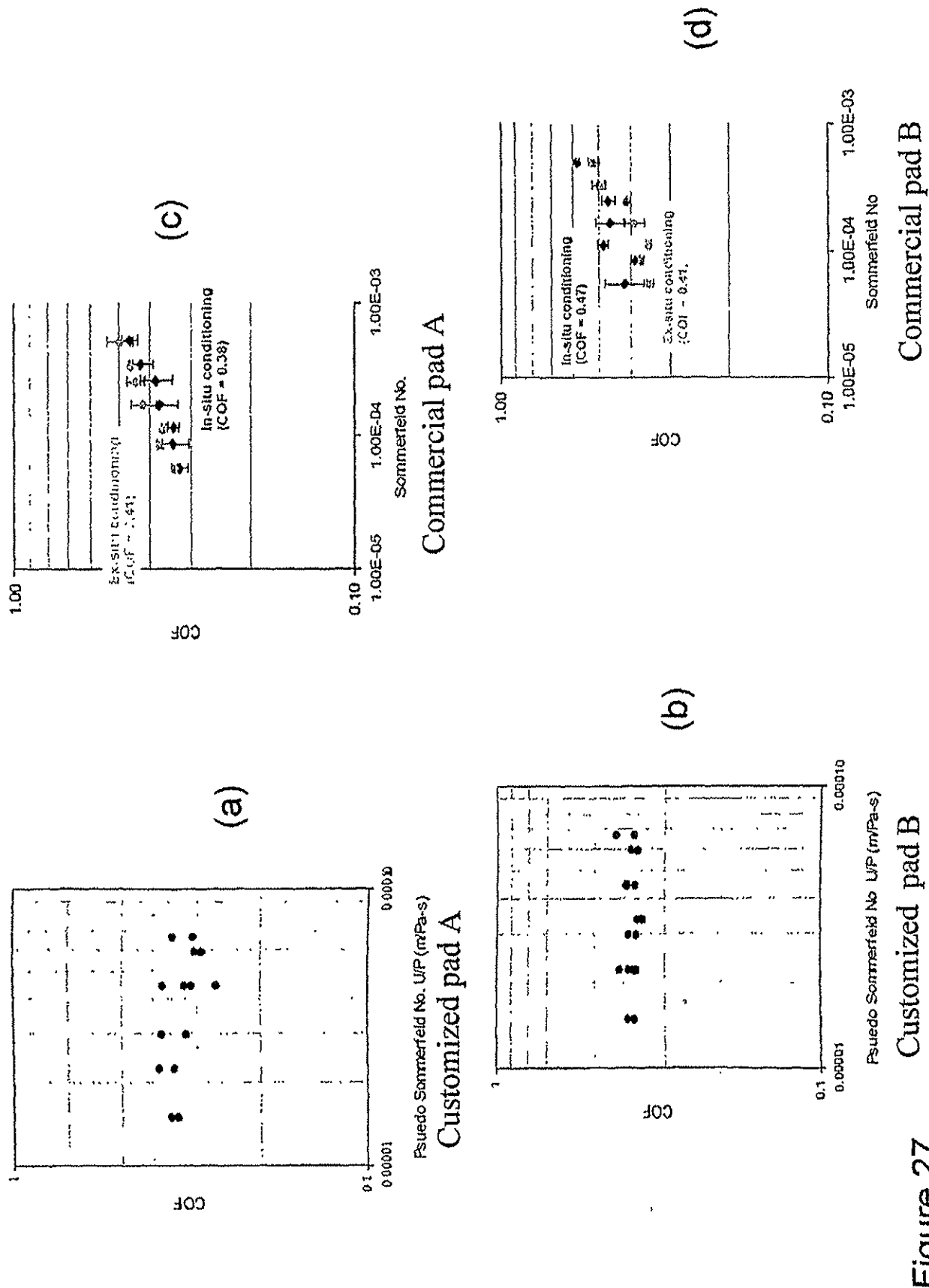


Figure 26

Customized pad B

Commercial pad B



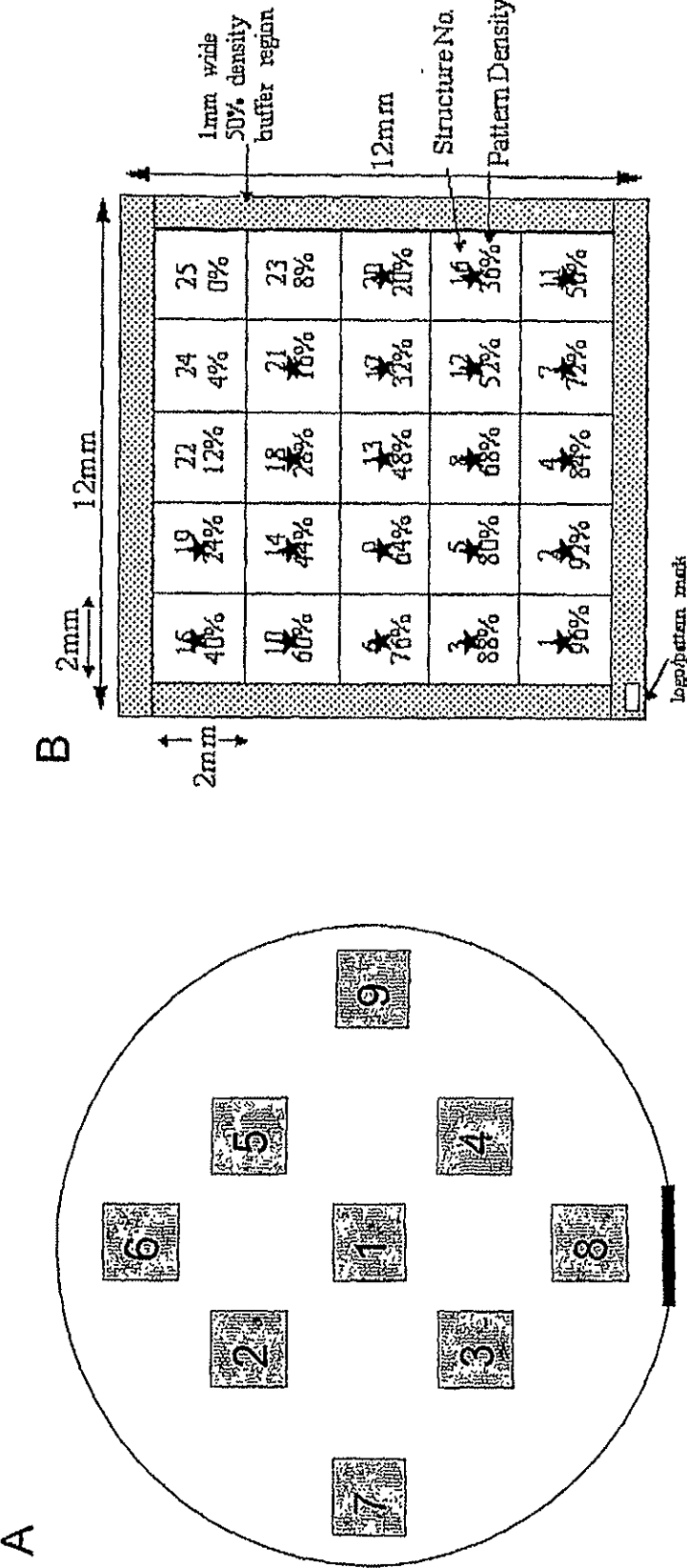


Figure 28

Commercial

Polish times
30s, 60s, 120s

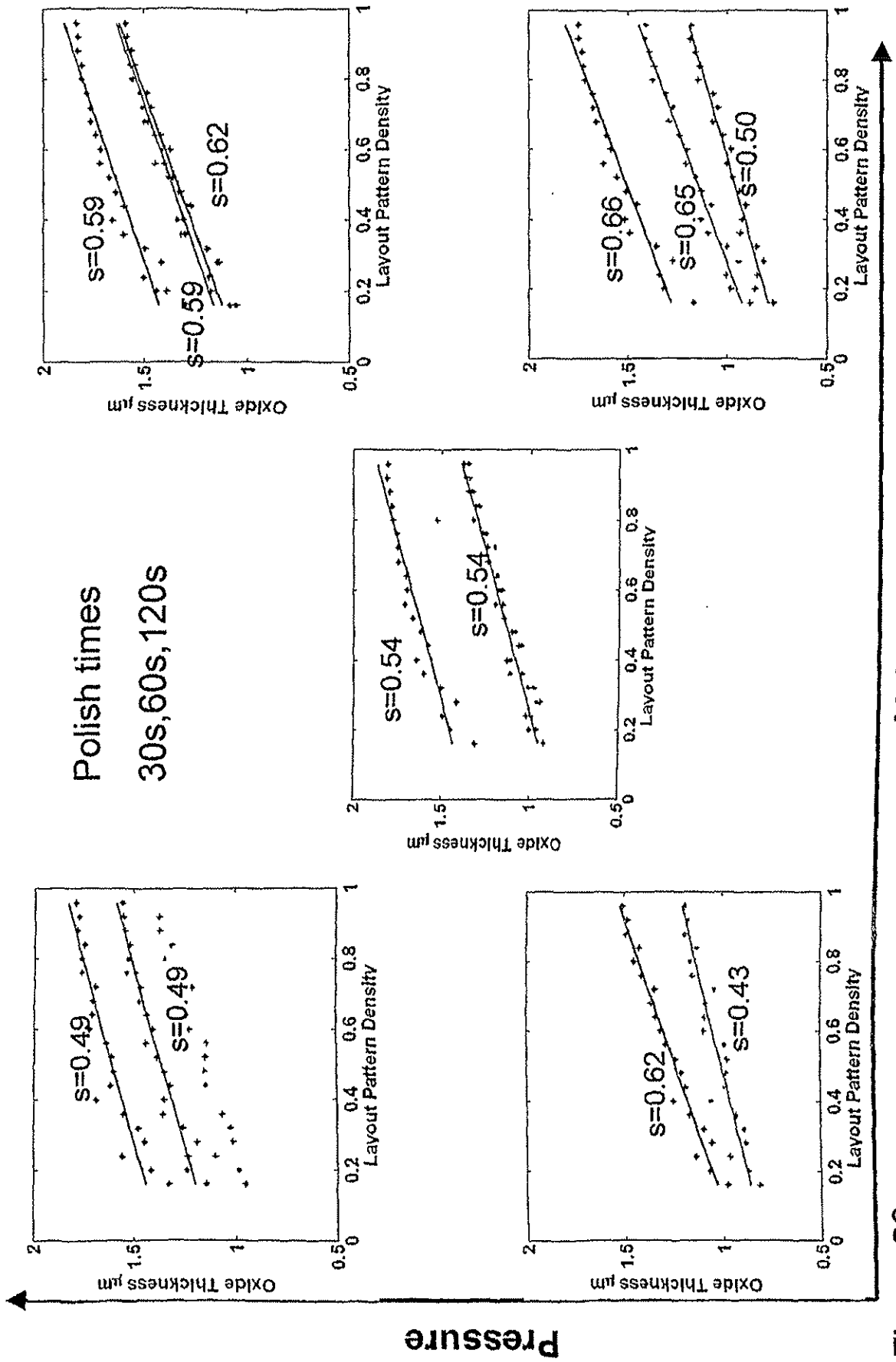


Figure 29

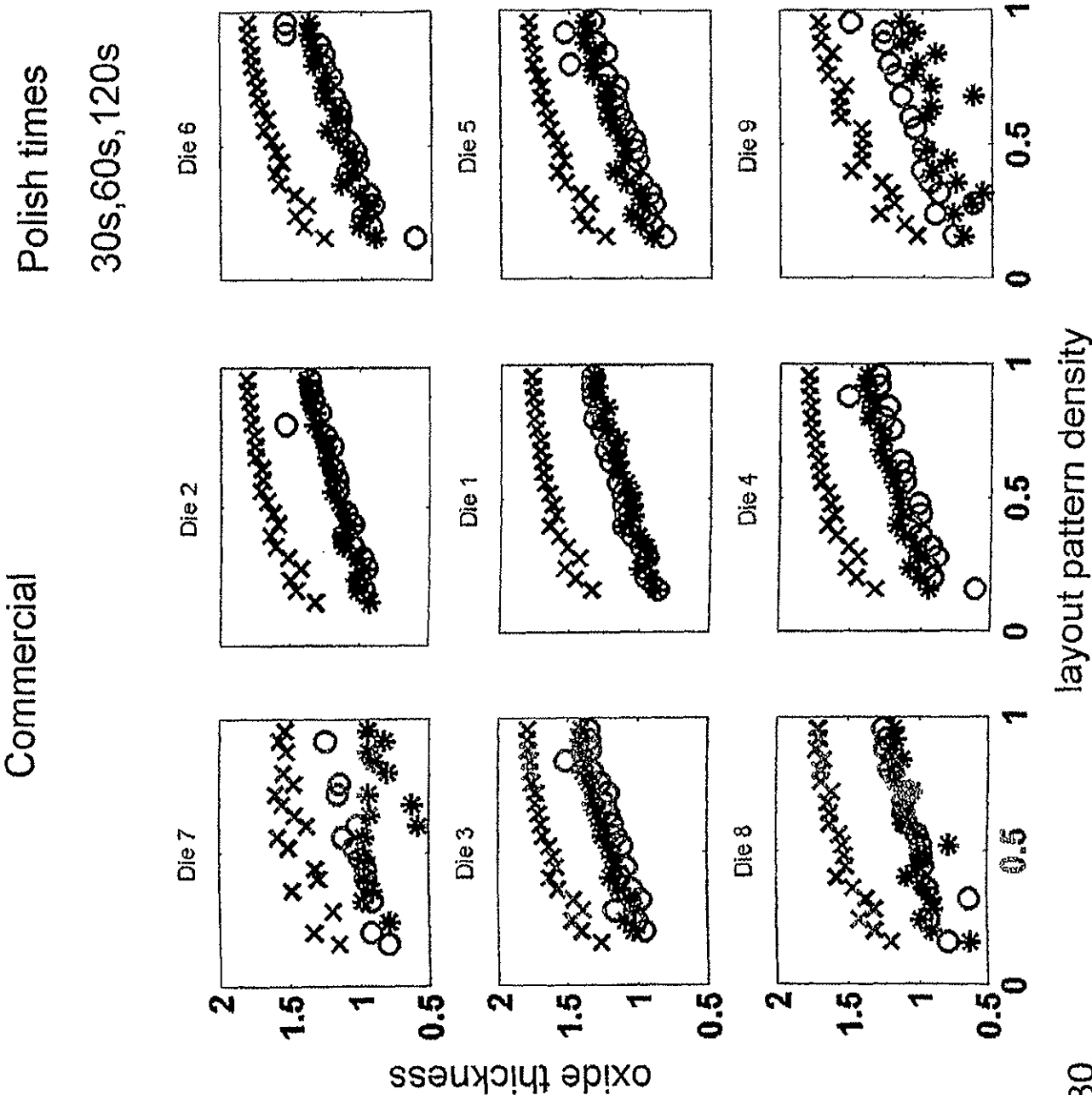


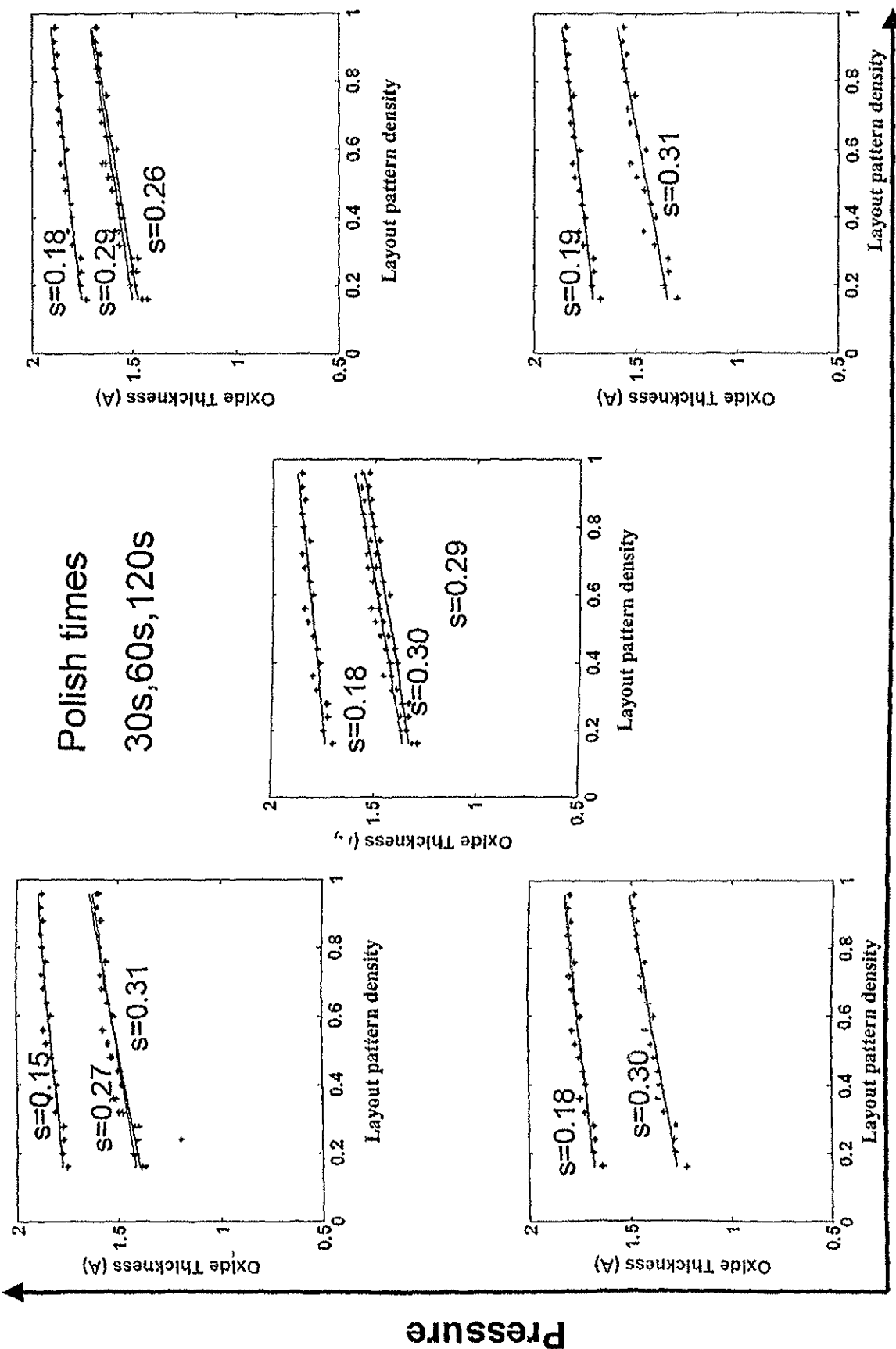
Figure 30

33/48

Neopad

Polish times

30s, 60s, 120s



Velocity

Figure 31

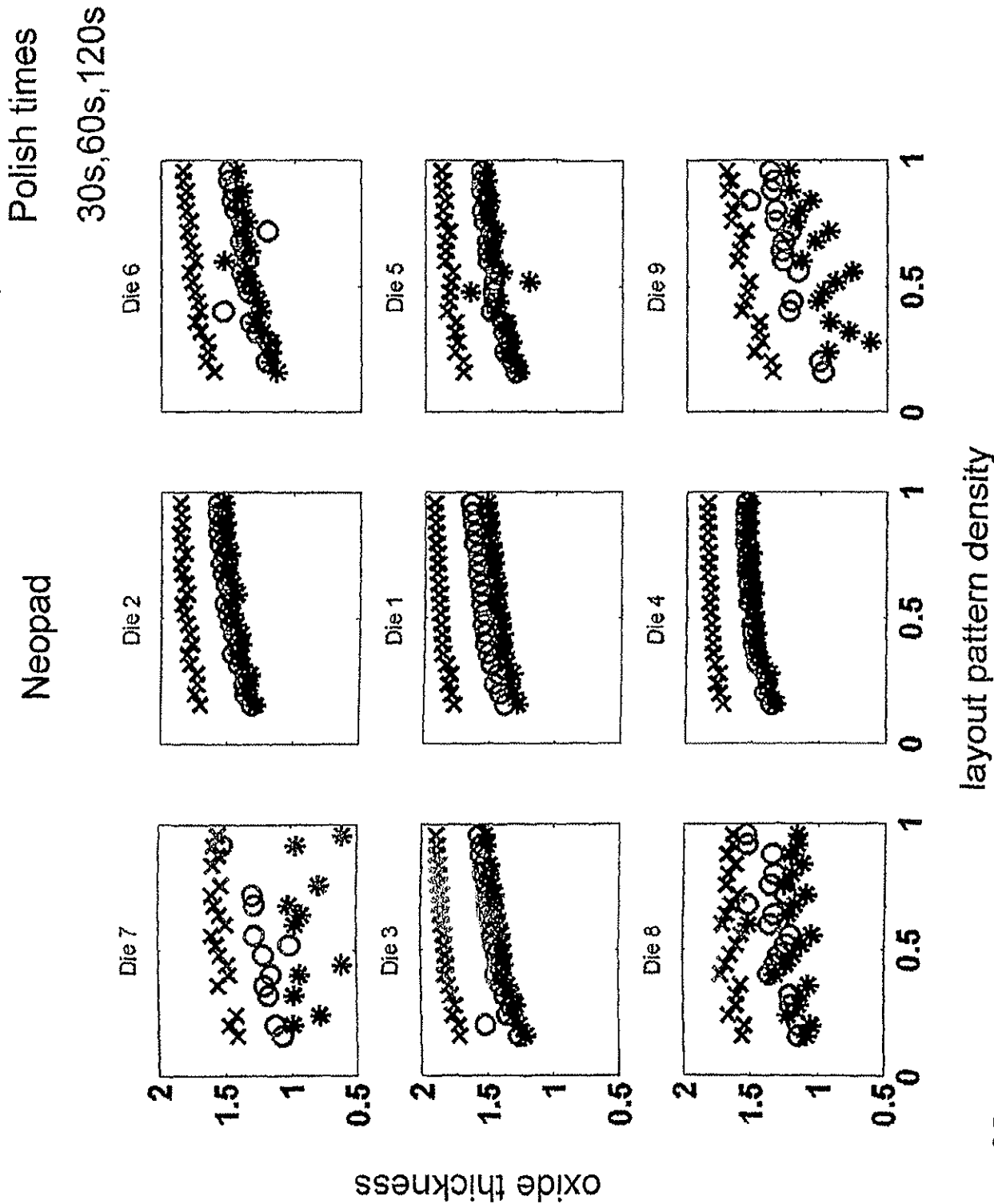


Figure 32

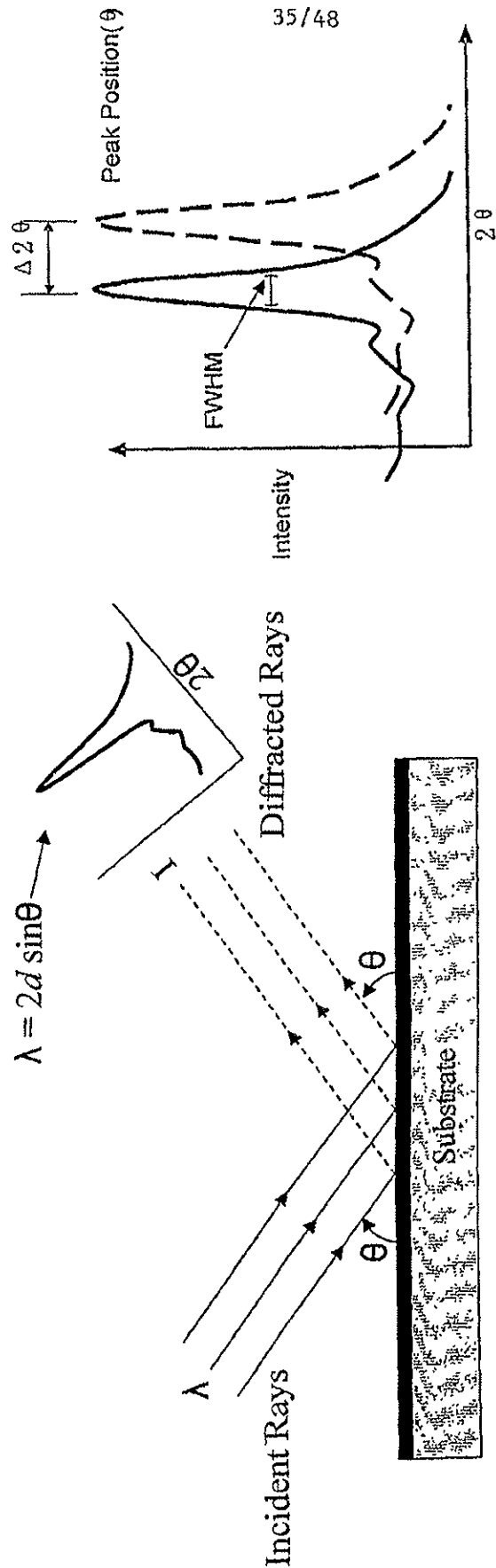


Figure 33

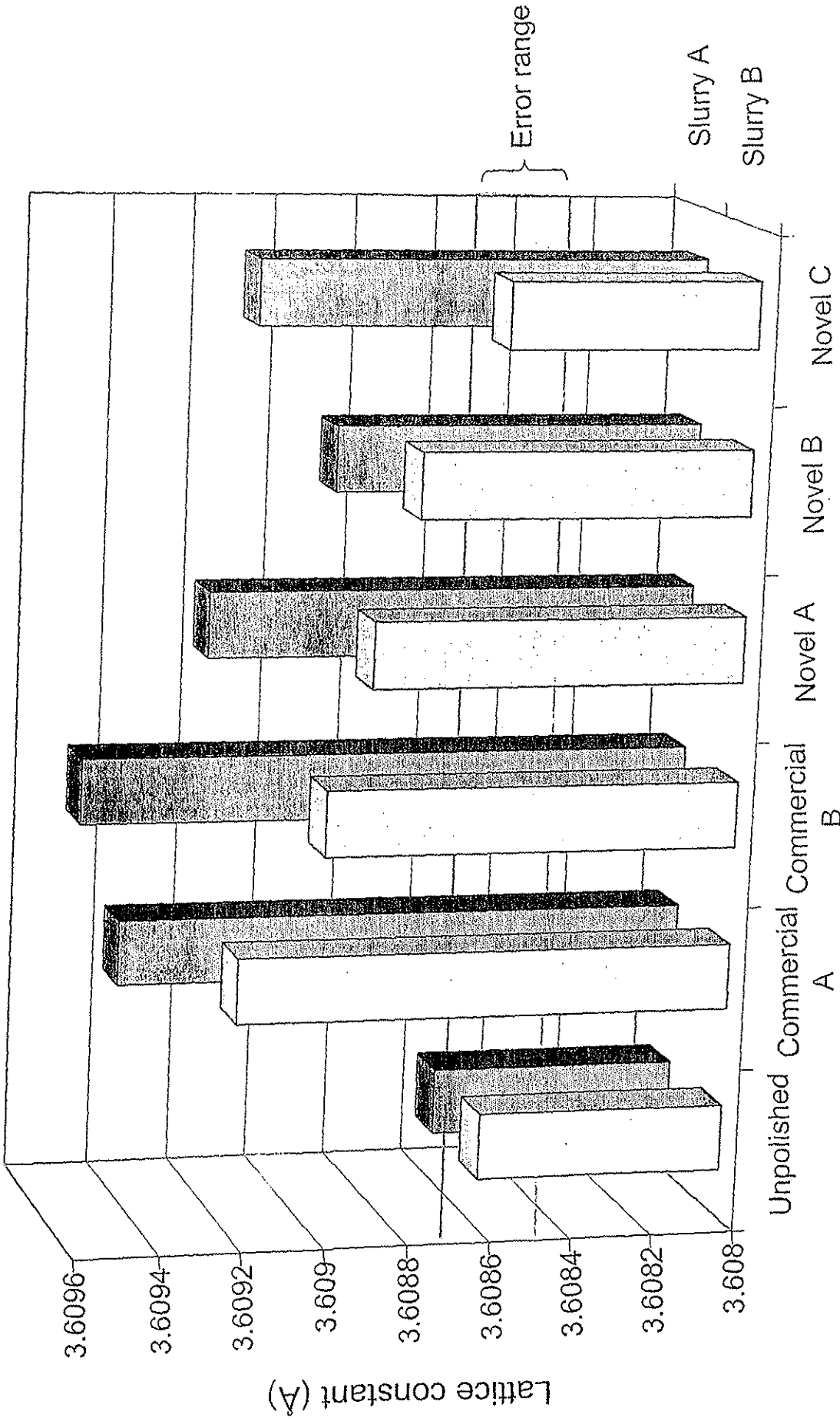


Figure 34

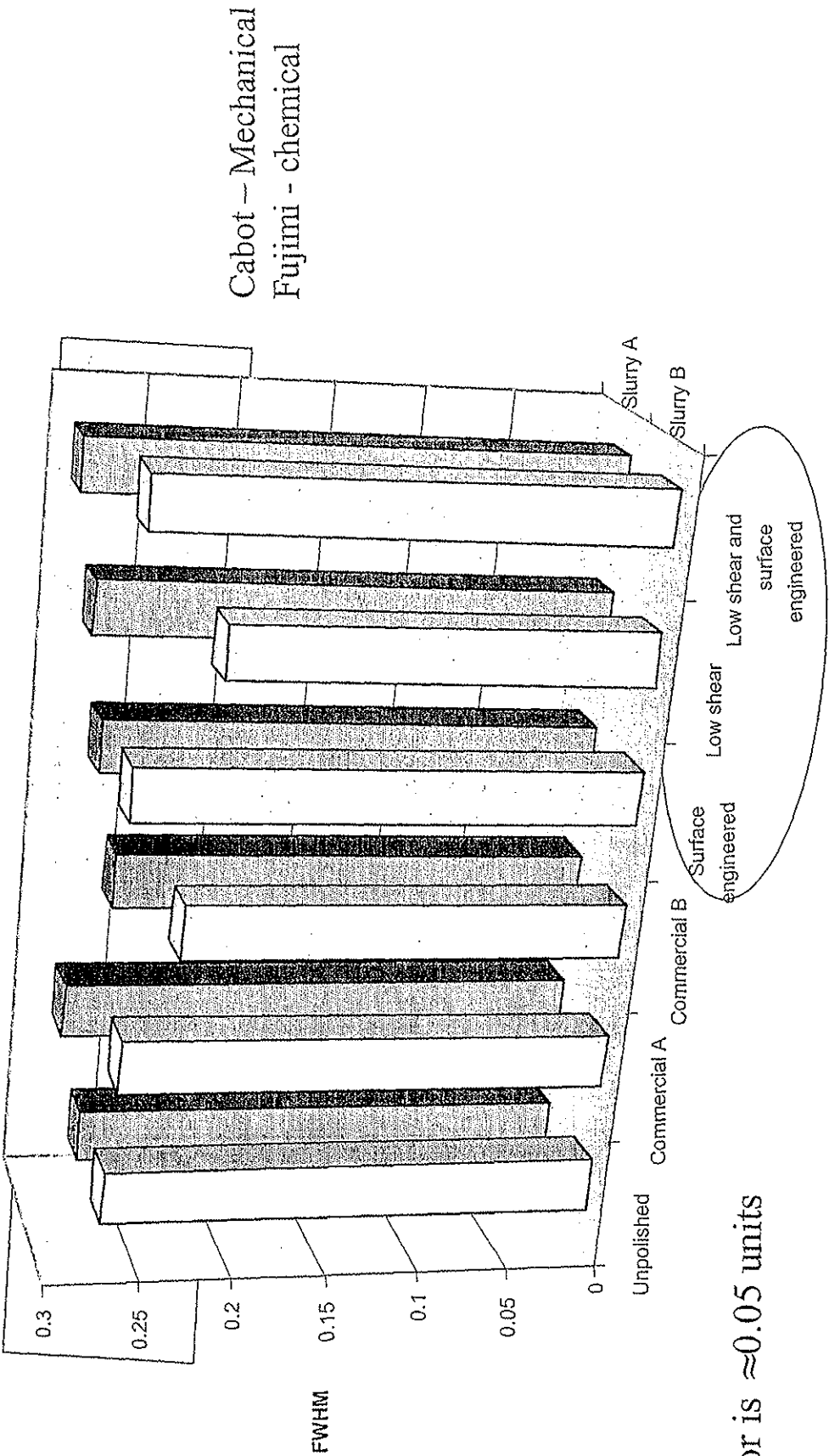


Figure 35

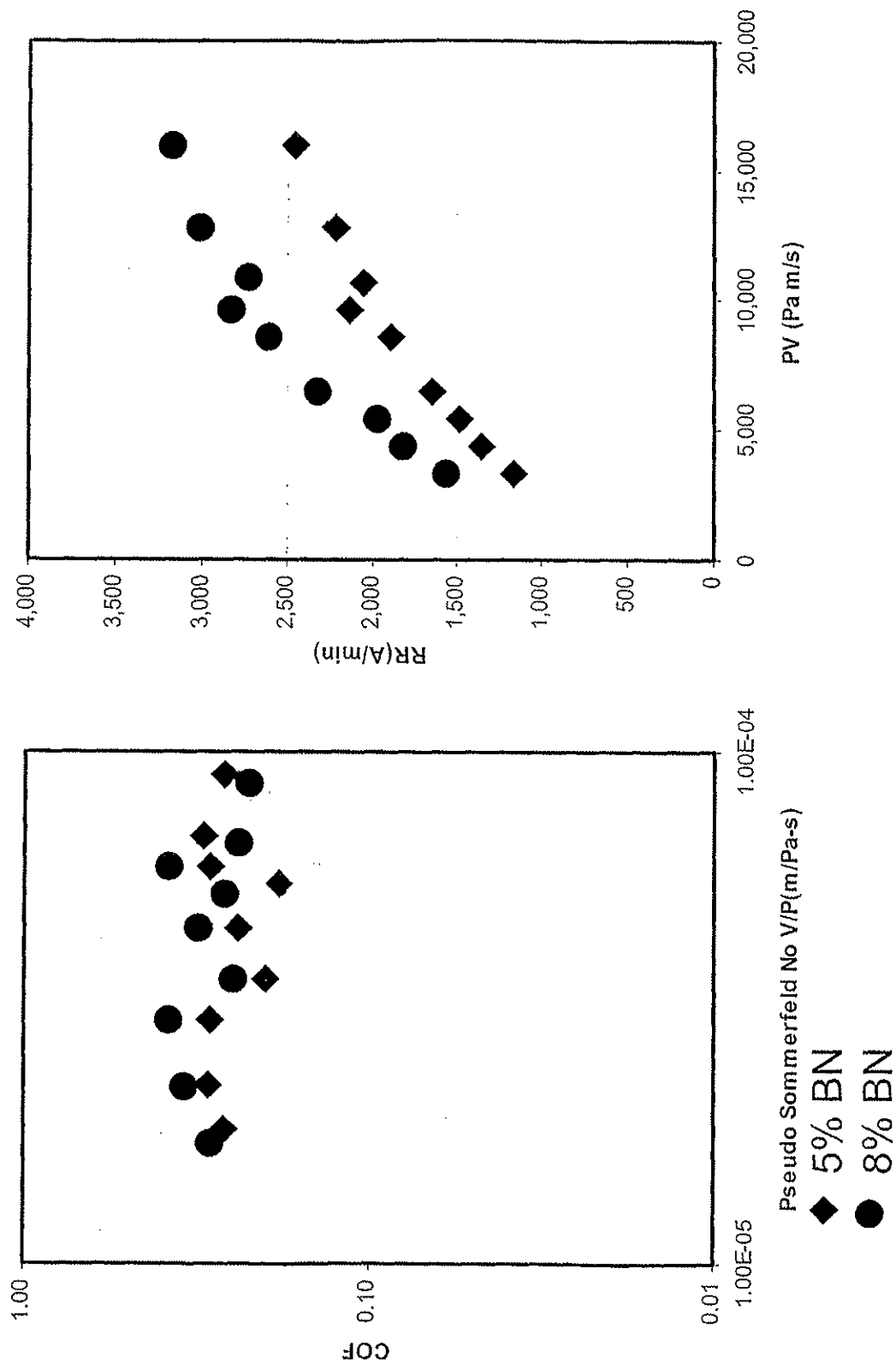


Figure 36

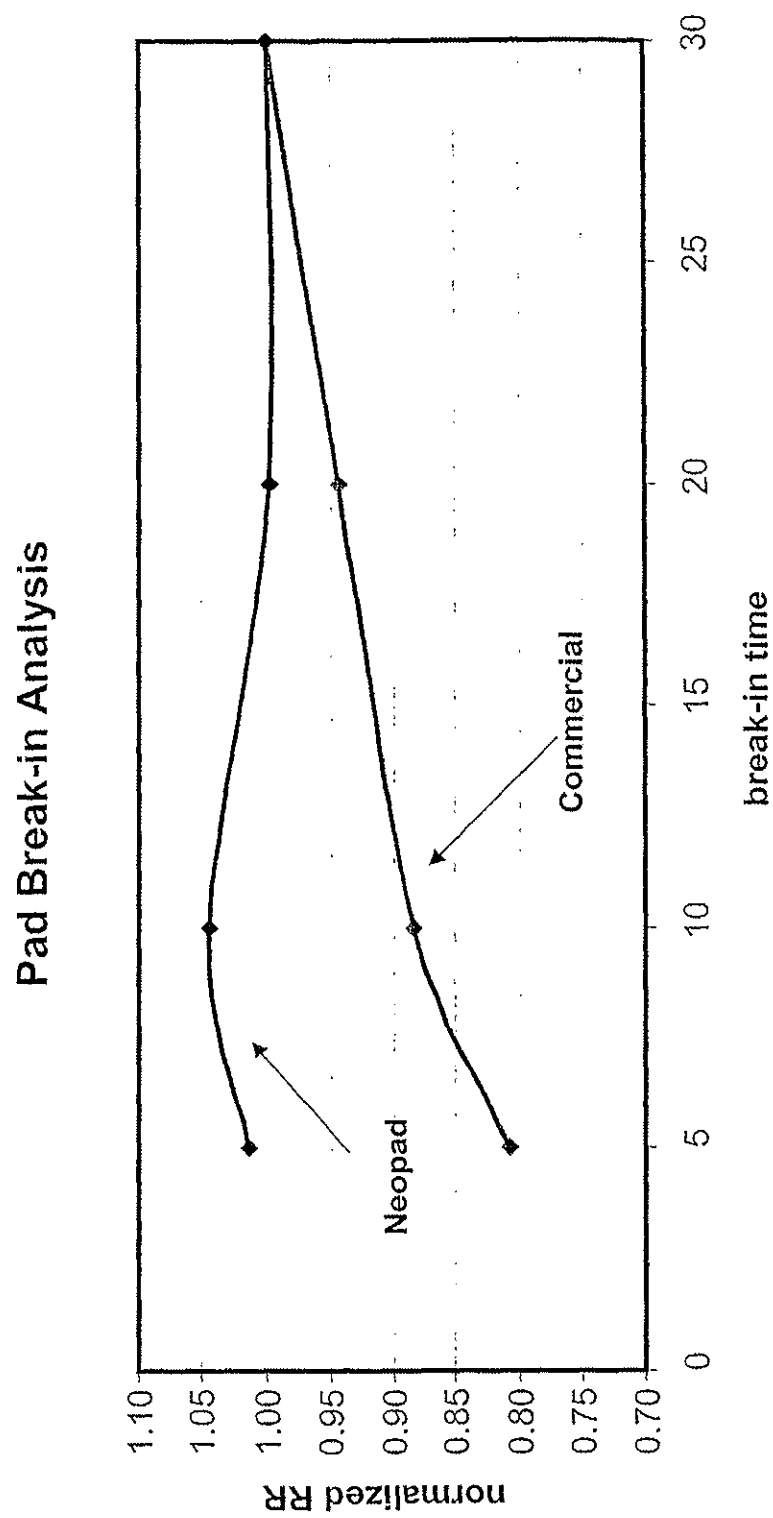
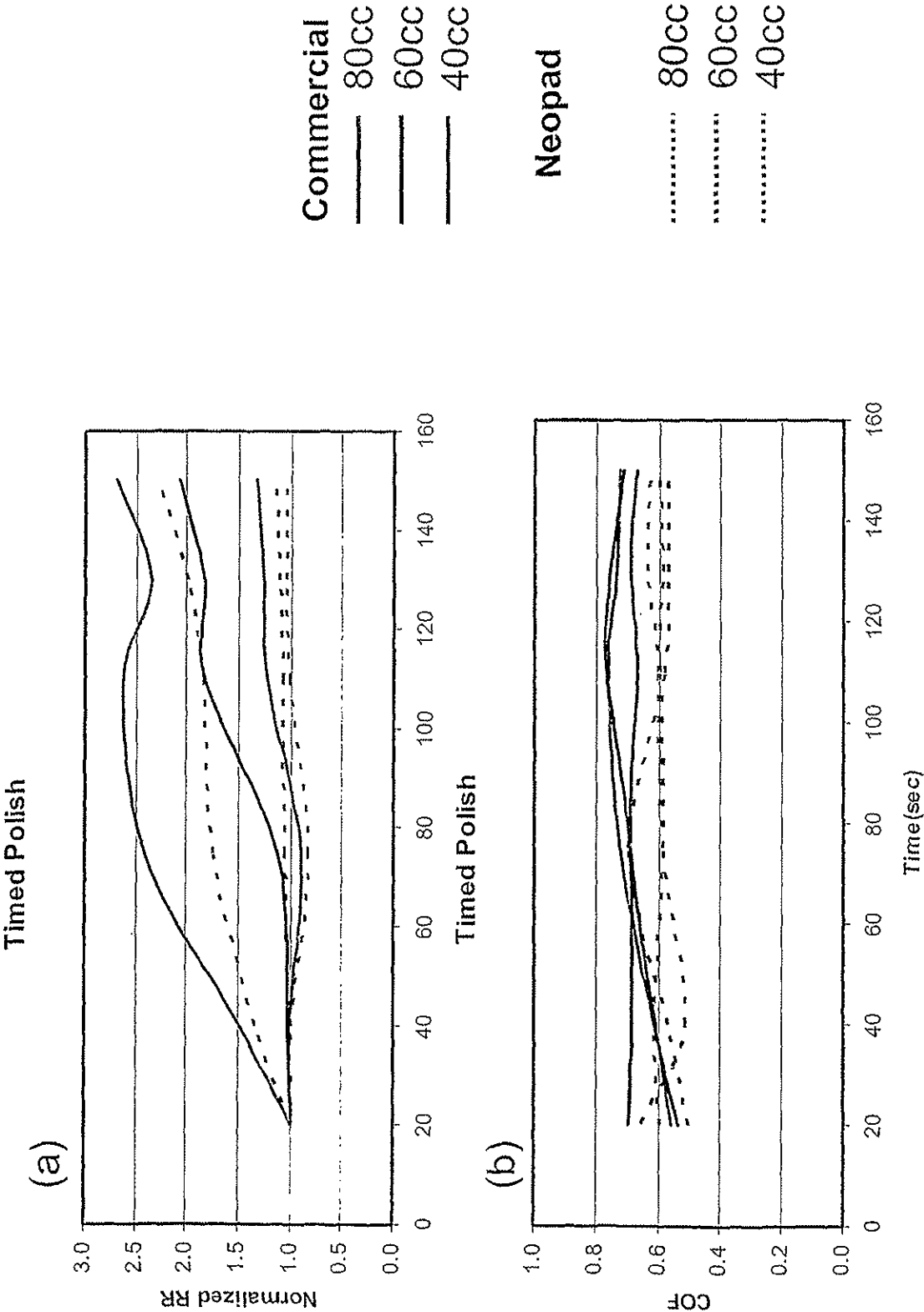


Figure 37



Stable removal rate as well as COF while polishing

Figure 38

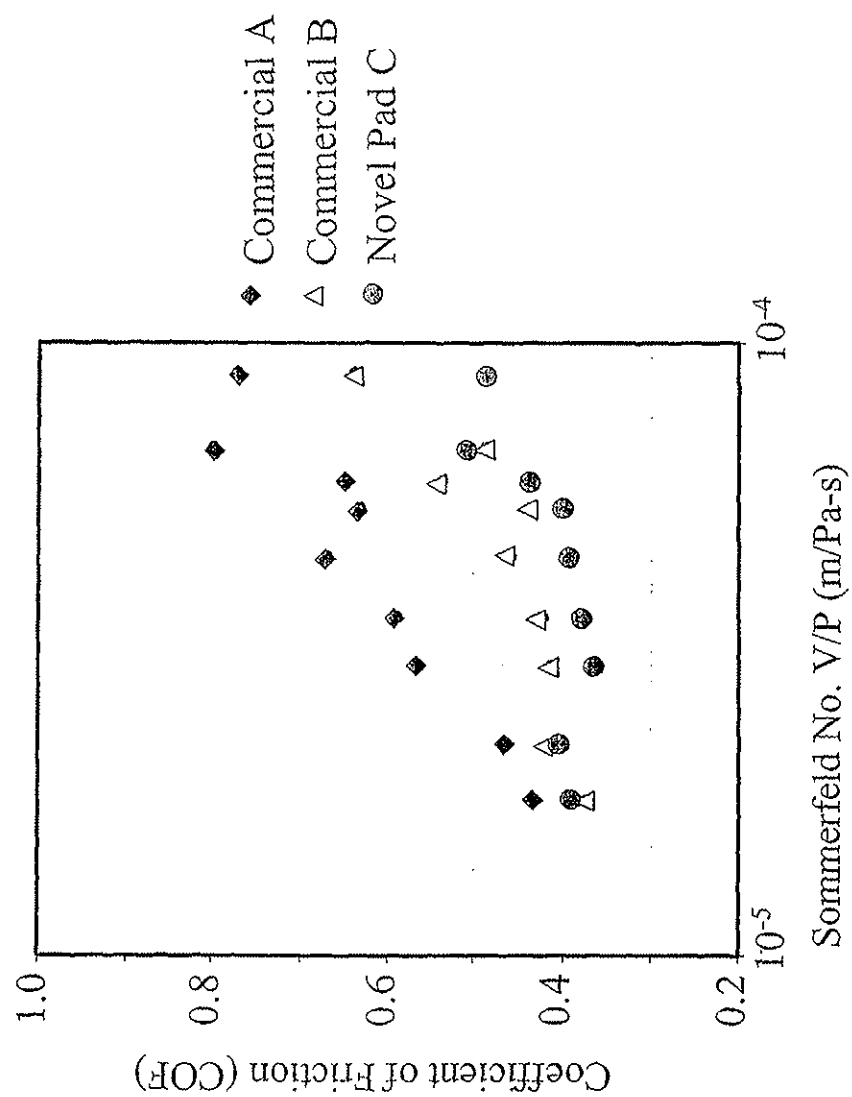


Figure 39

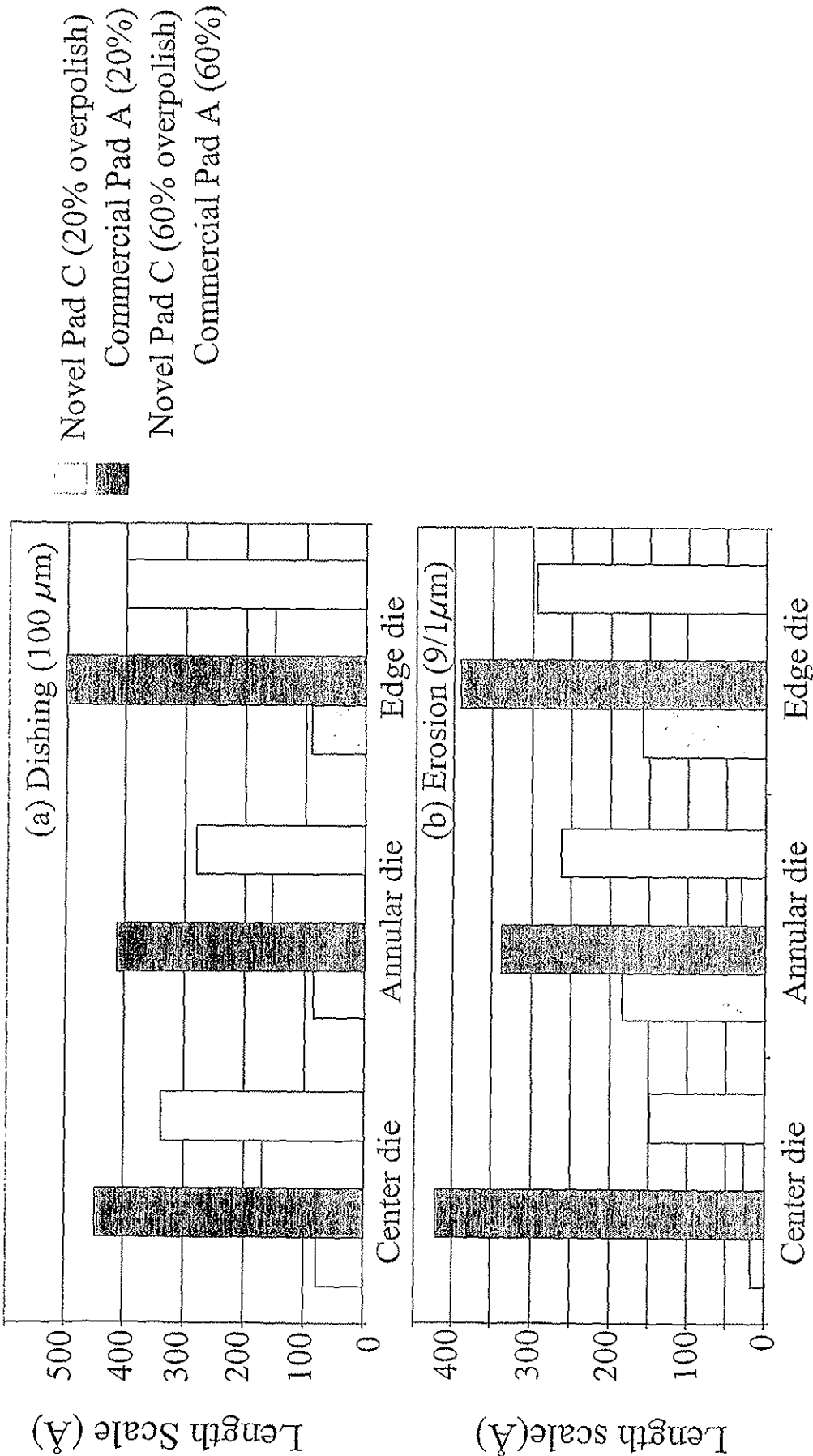


Figure 40

Tribology

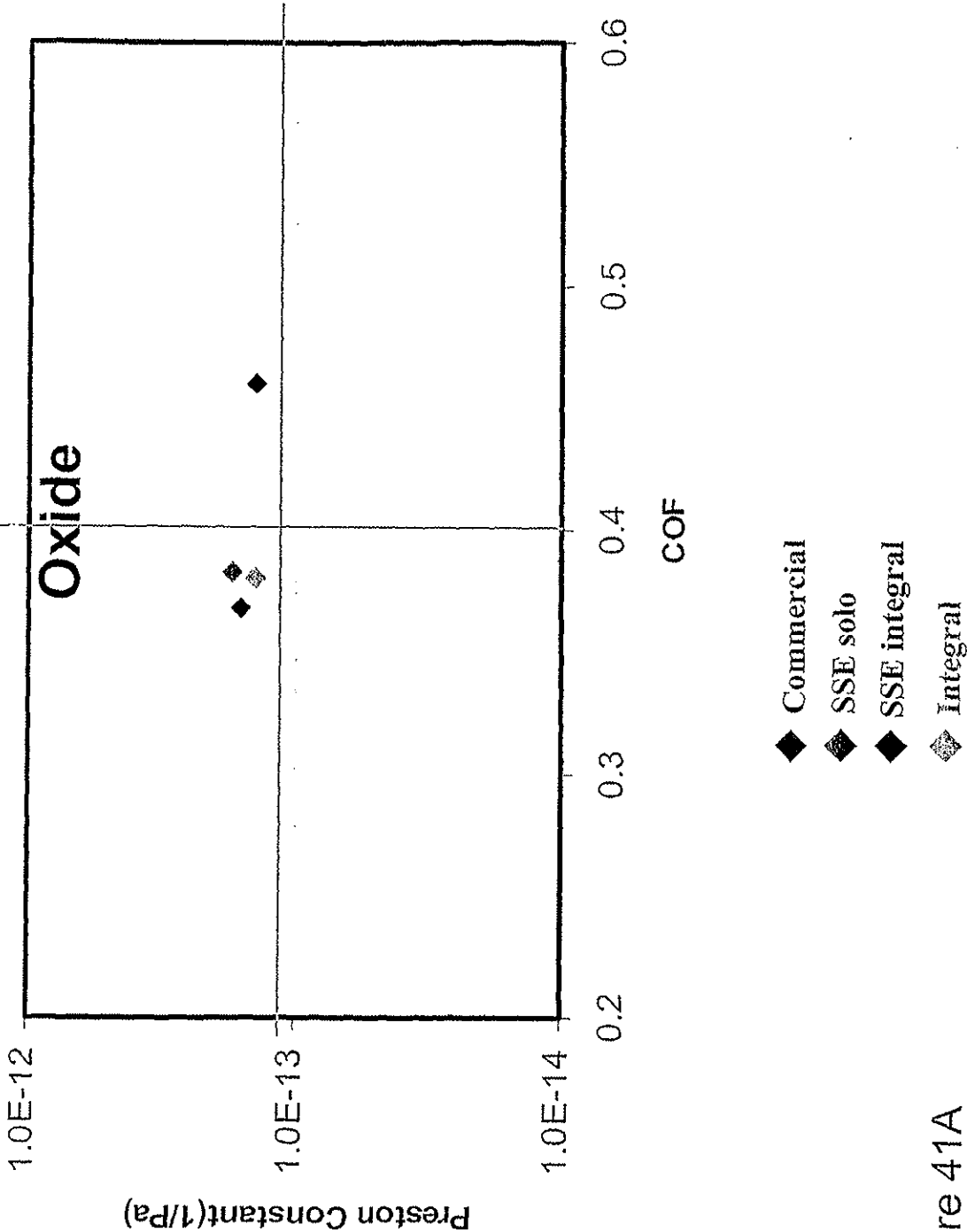


Figure 41A

Tribology

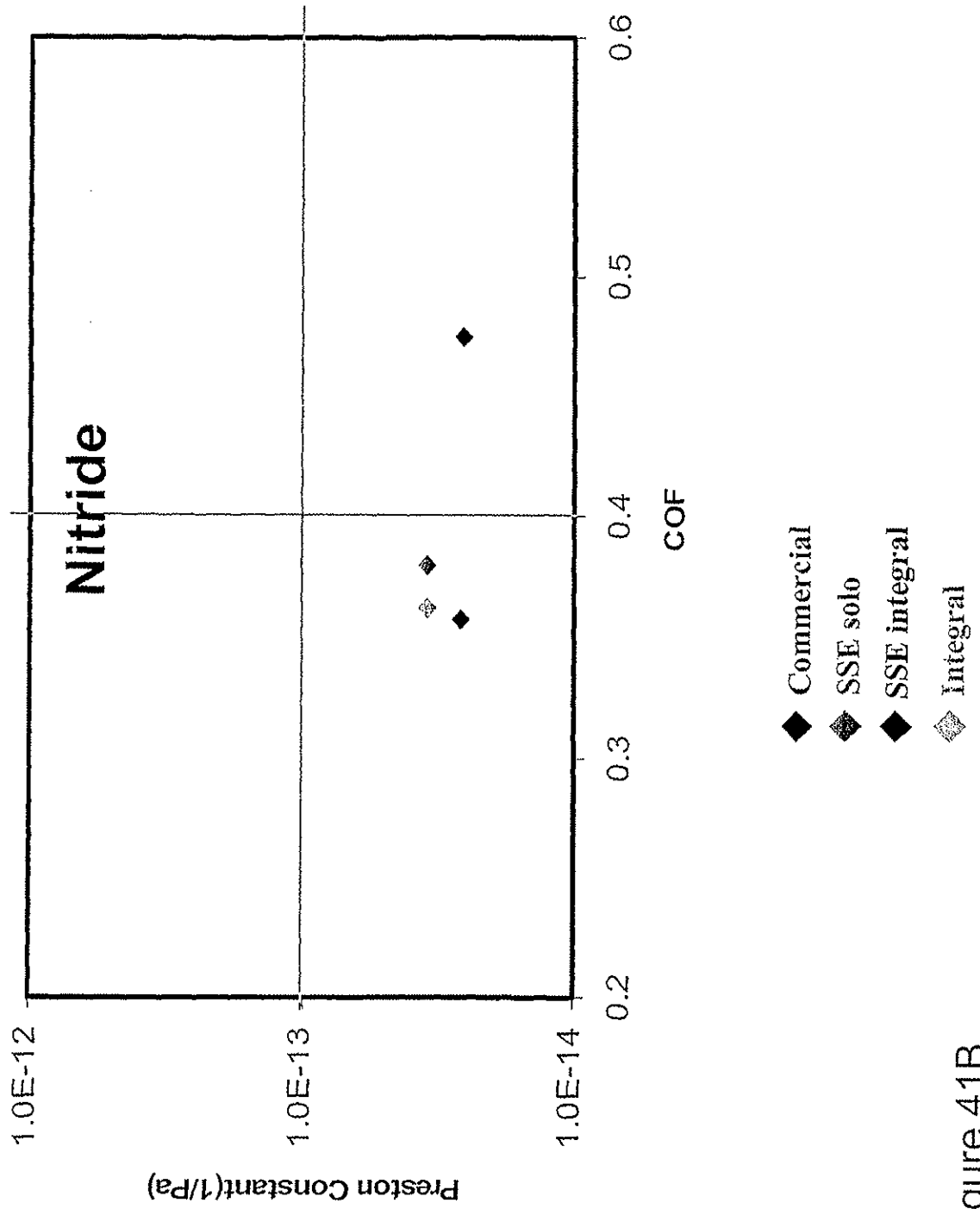


Figure 41B

Selectivity

$$\text{Selectivity} = \frac{\text{Removal Rate (Oxide)}}{\text{Removal Rate (Nitride)}}$$

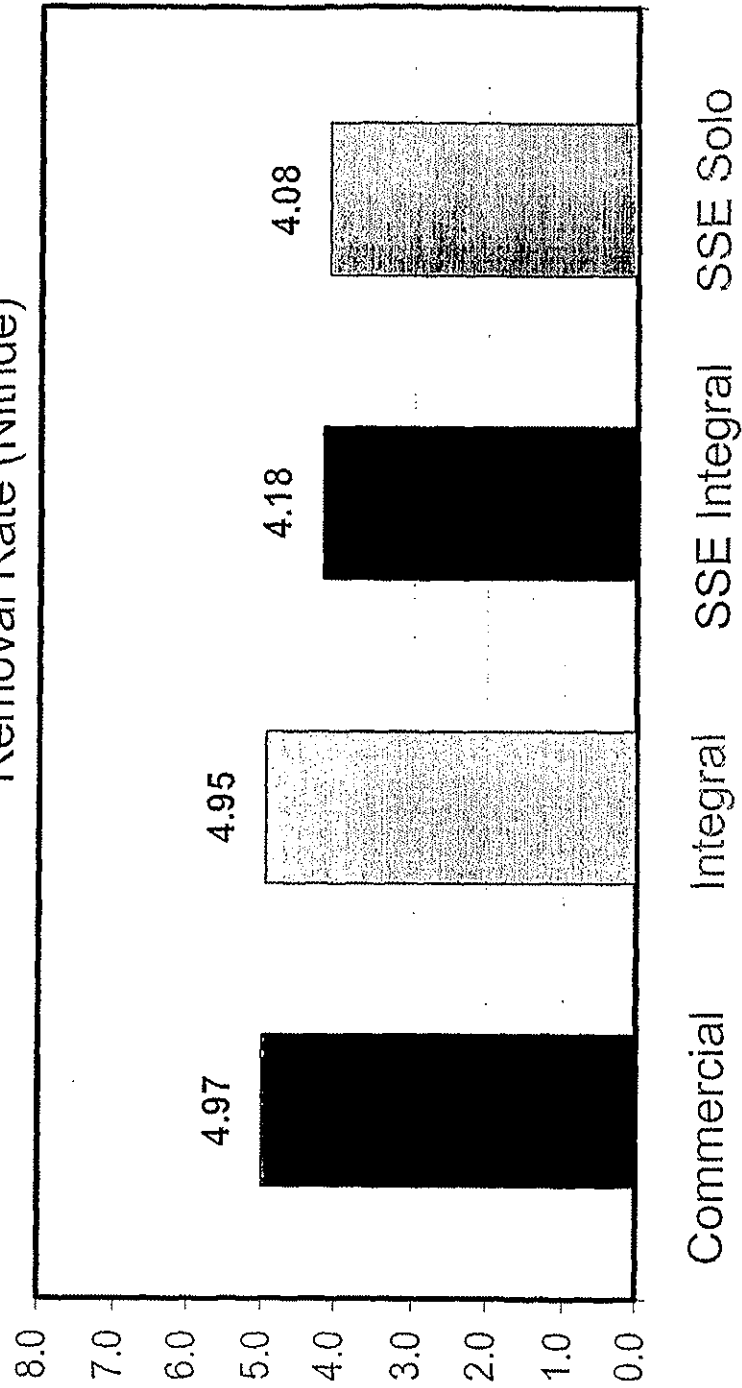


Figure 41C

Tribology

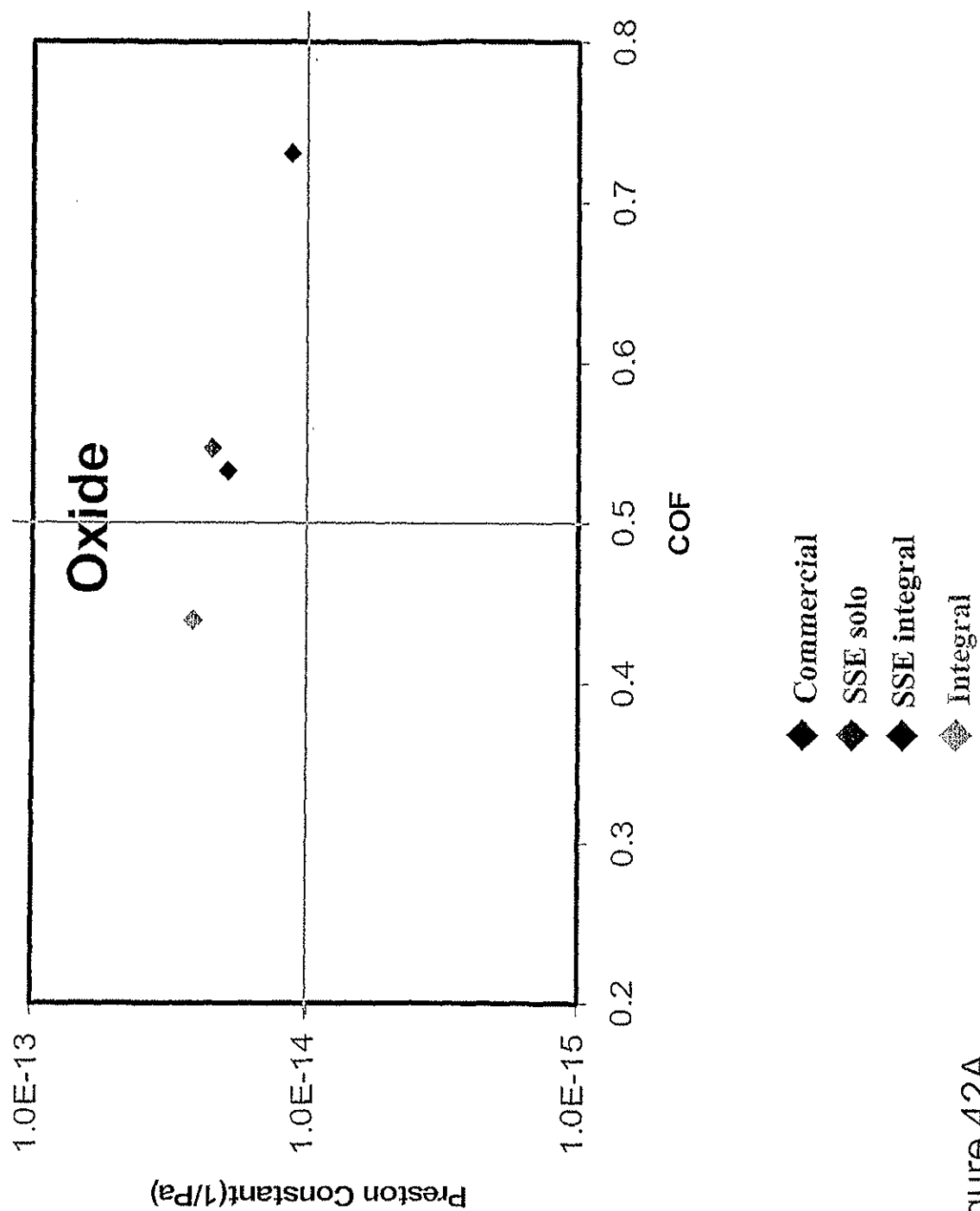


Figure 42A

Tribology

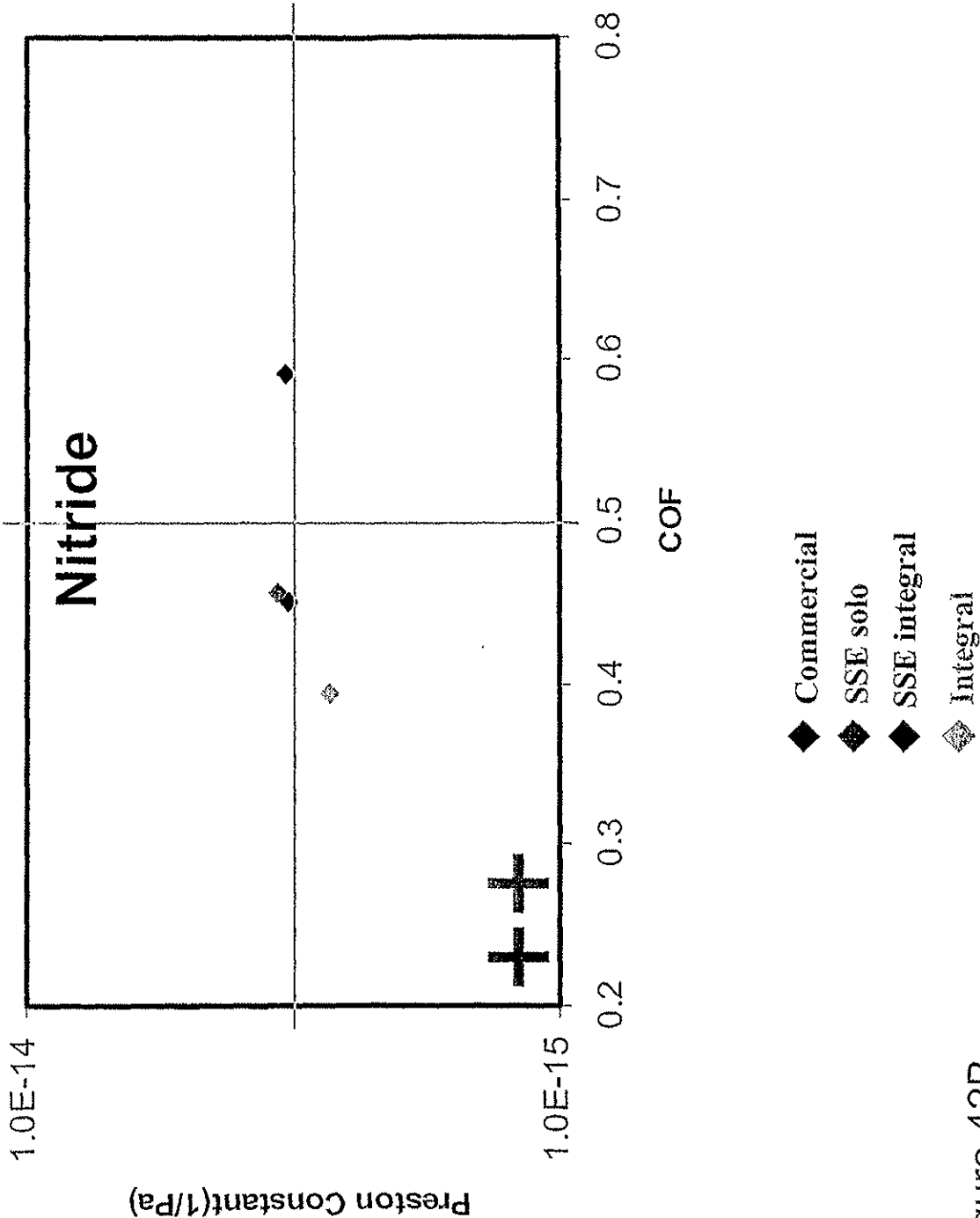


Figure 42B

Selectivity

$$\text{Selectivity} = \frac{\text{Removal Rate (Oxide)}}{\text{Removal Rate (Nitride)}}$$

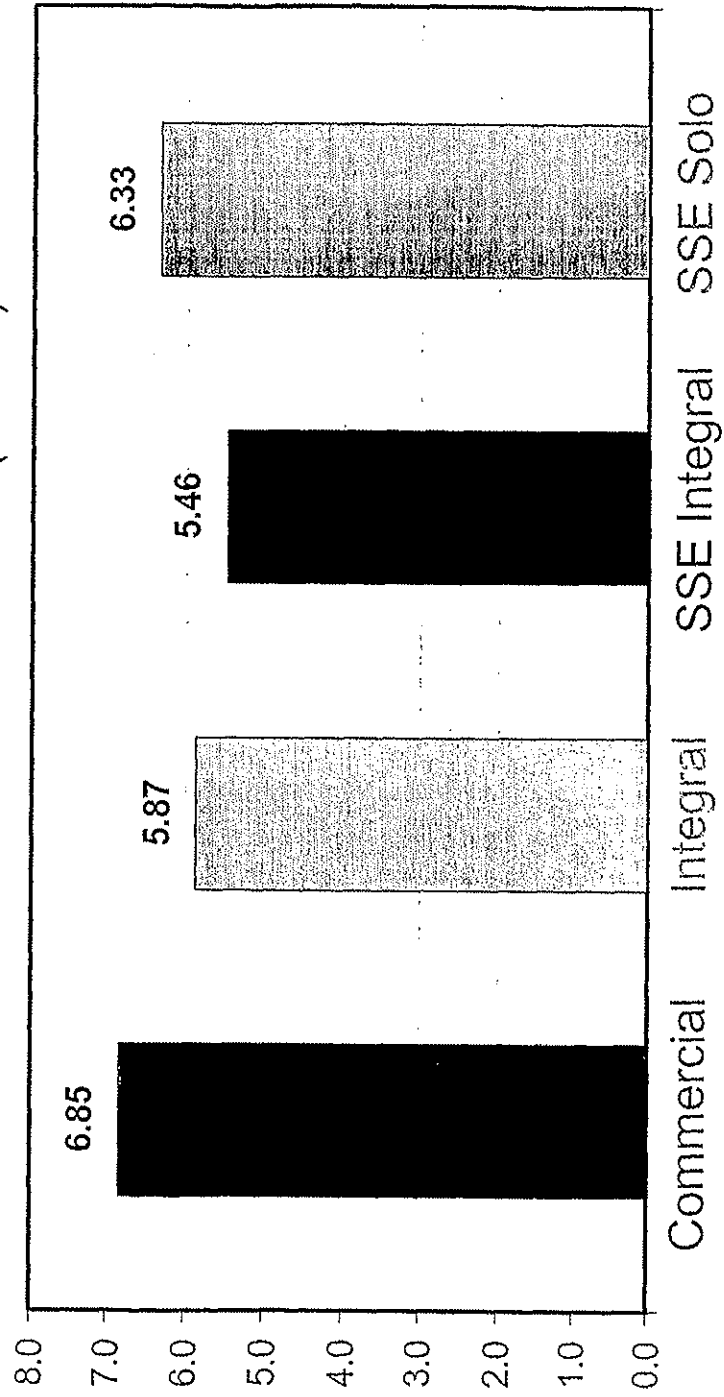


Figure 42C