

1

FIG. 1

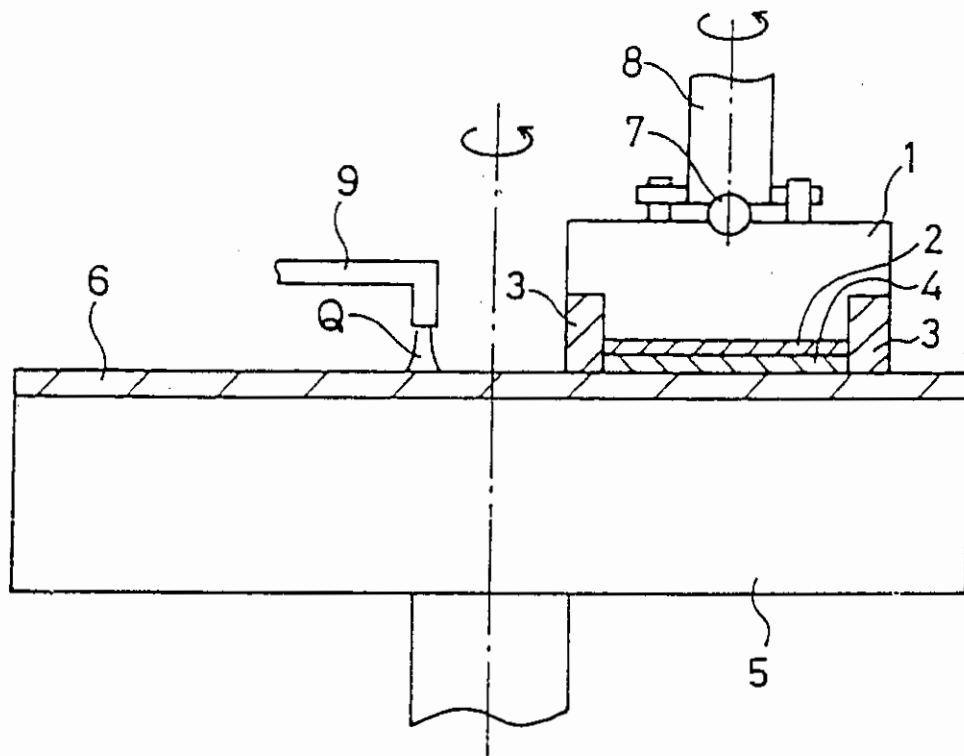


FIG. 2

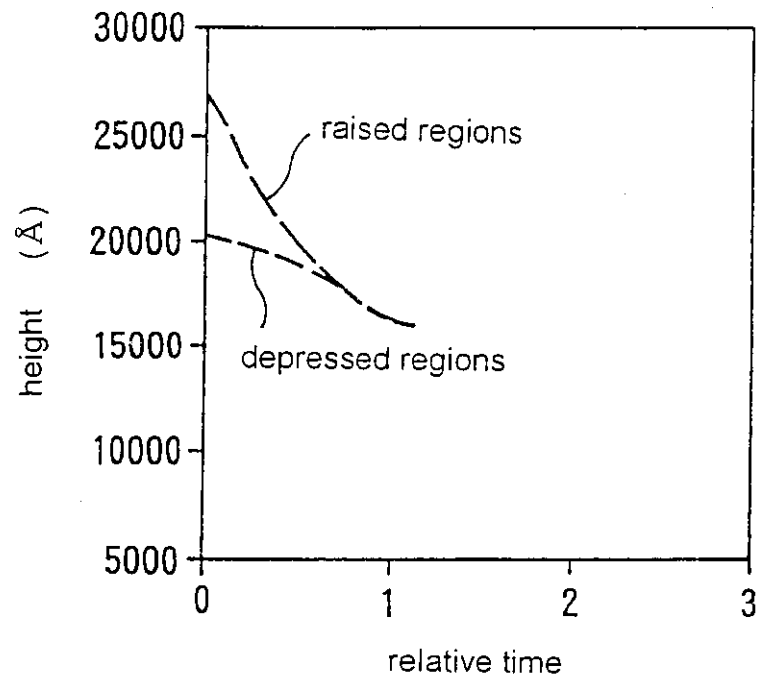
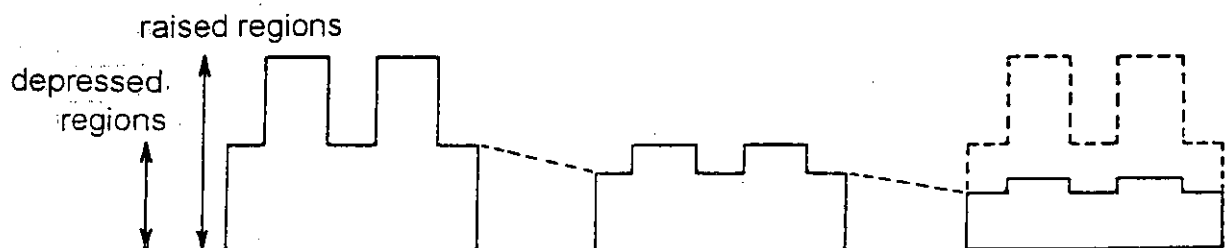


FIG. 3A

FIG. 3B

FIG. 3C



3
FIG. 4A

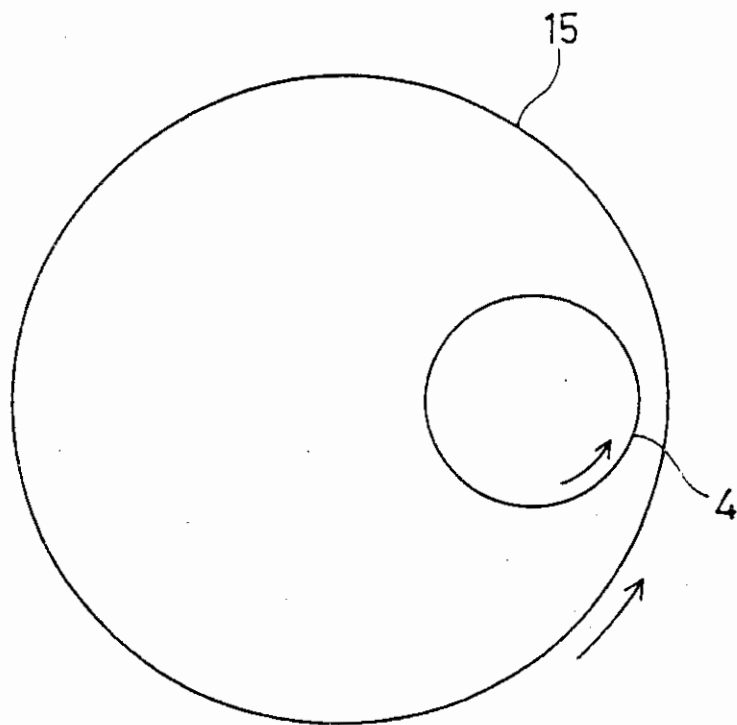


FIG. 4B

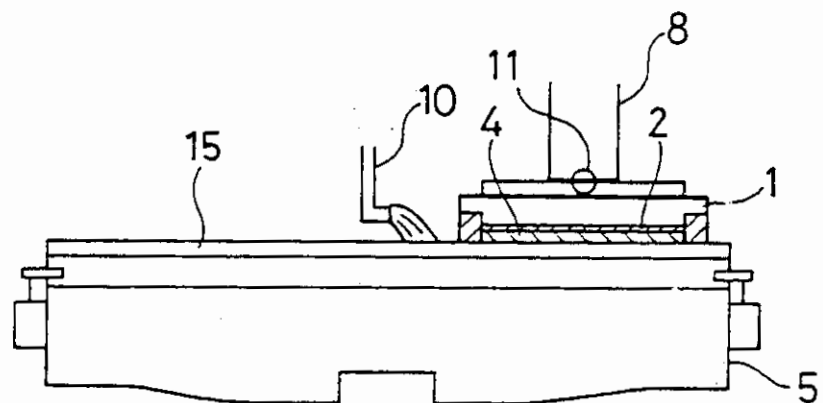
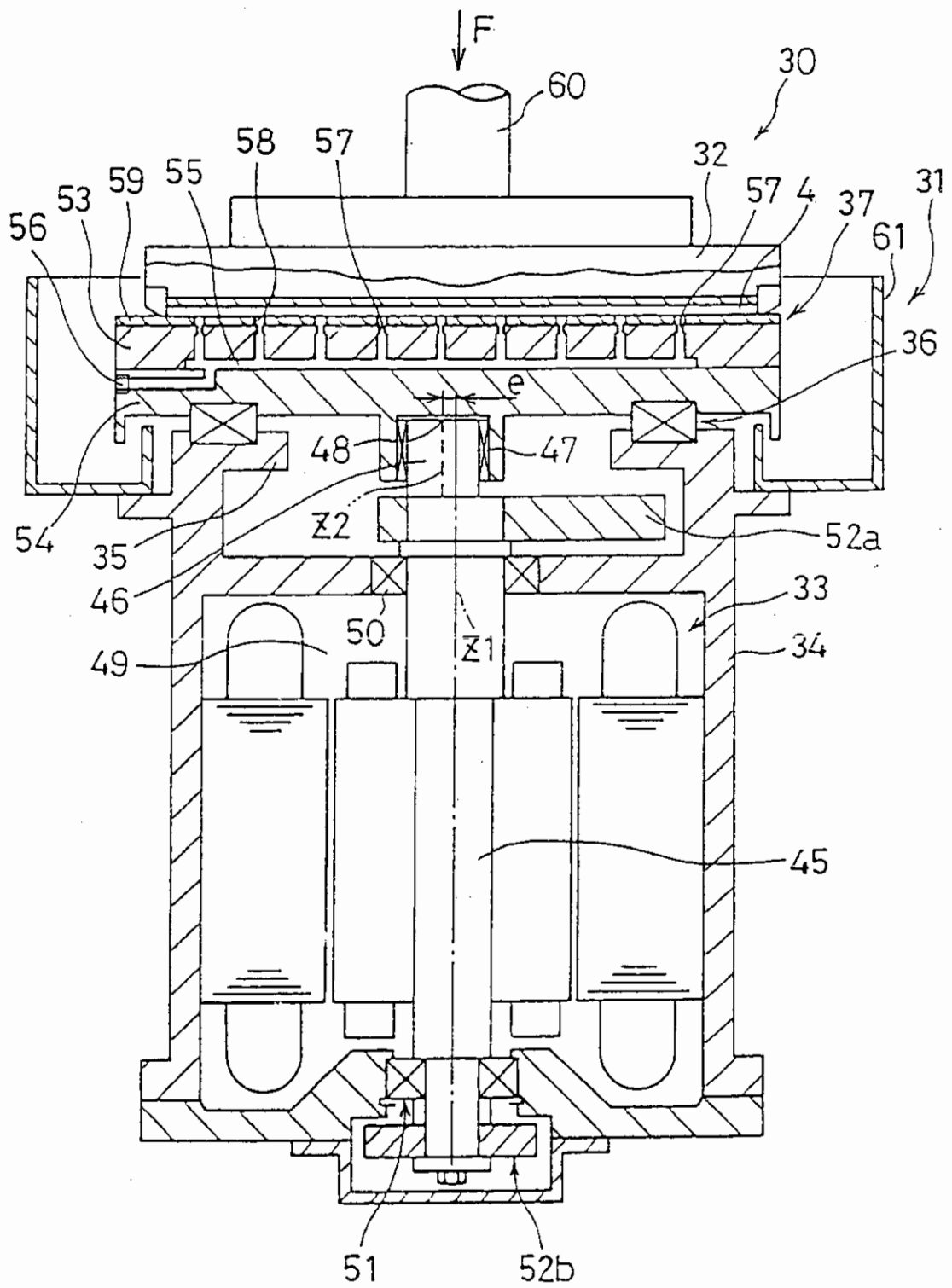


FIG. 5



5

FIG. 6A

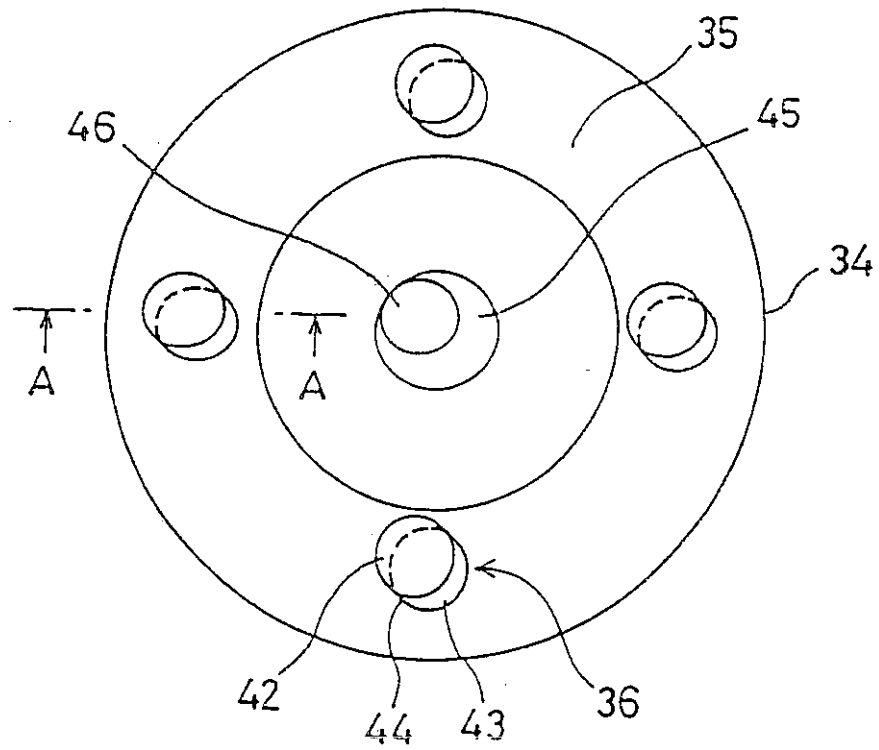


FIG. 6B

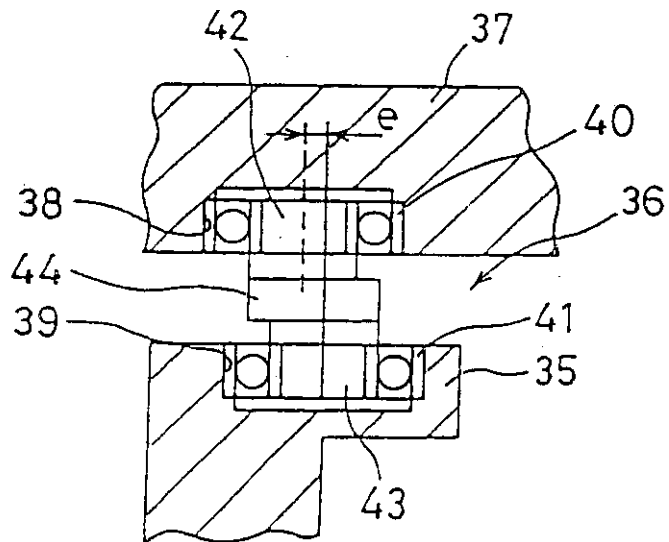


FIG. 7A

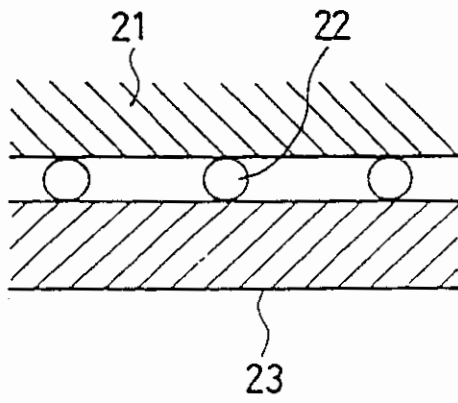


FIG. 7B

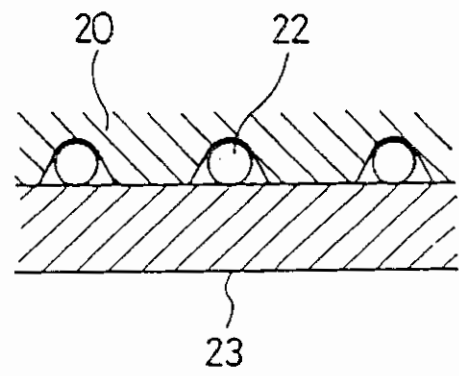


FIG. 8A

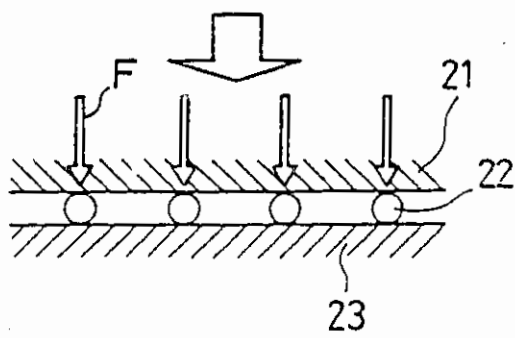


FIG. 8B

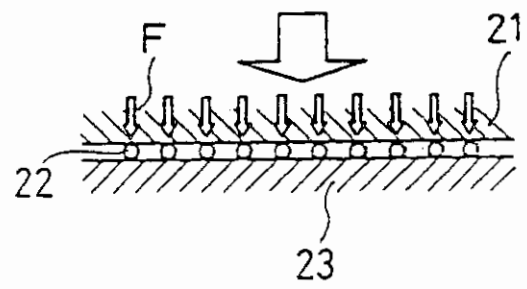


FIG. 9

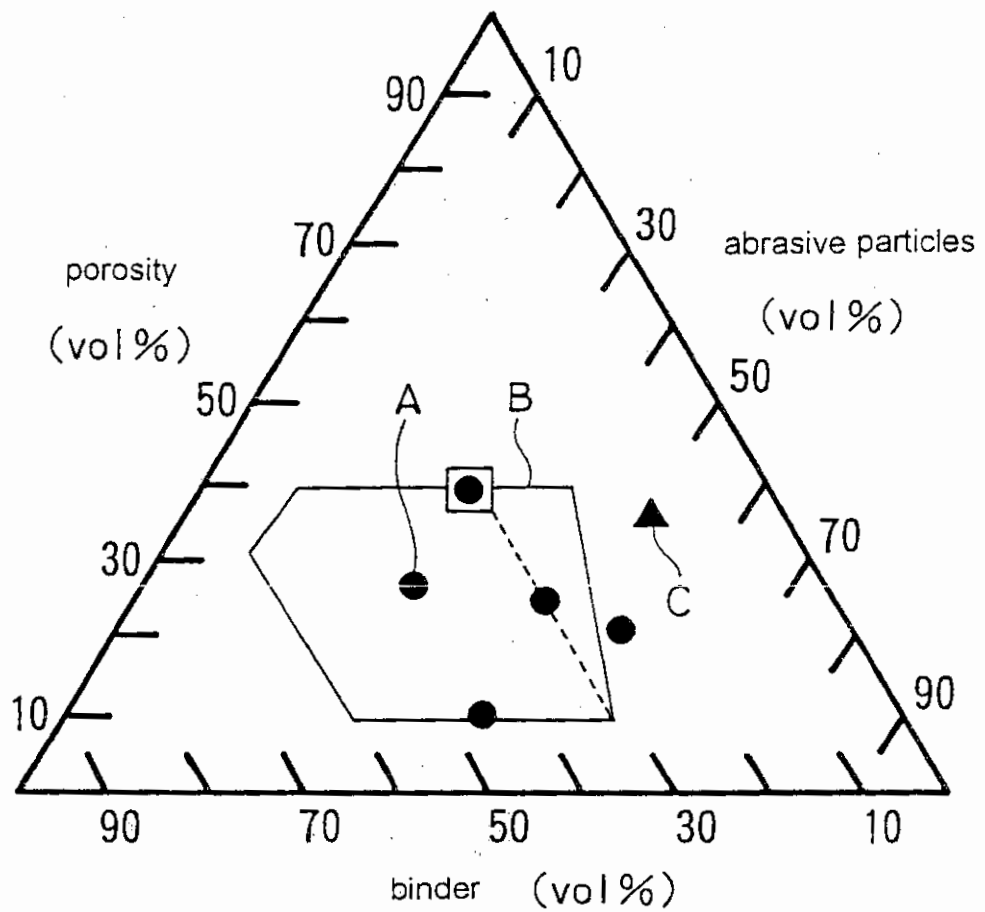


FIG. 10

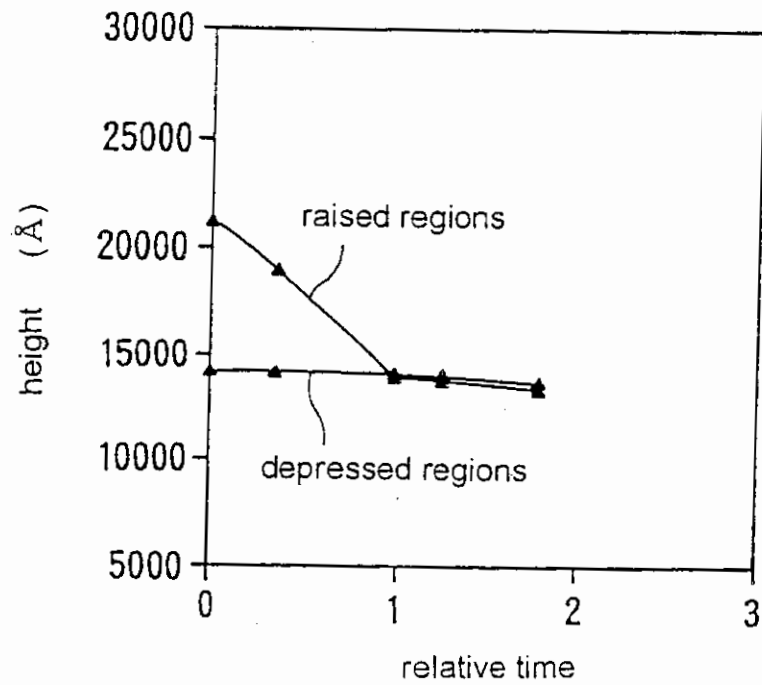


FIG. 11A FIG. 11B FIG. 11C

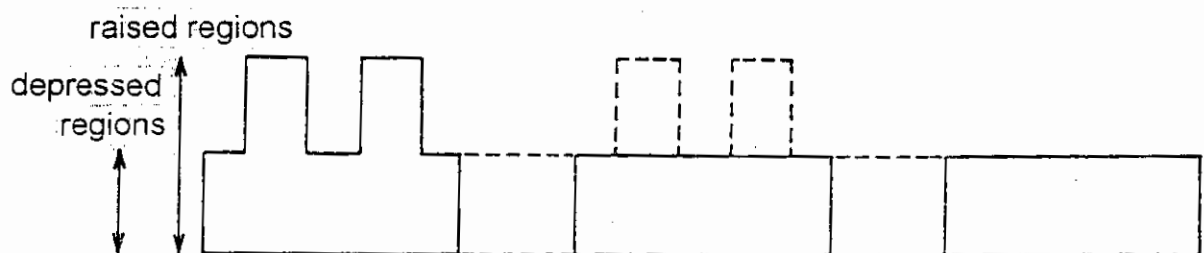


FIG. 12

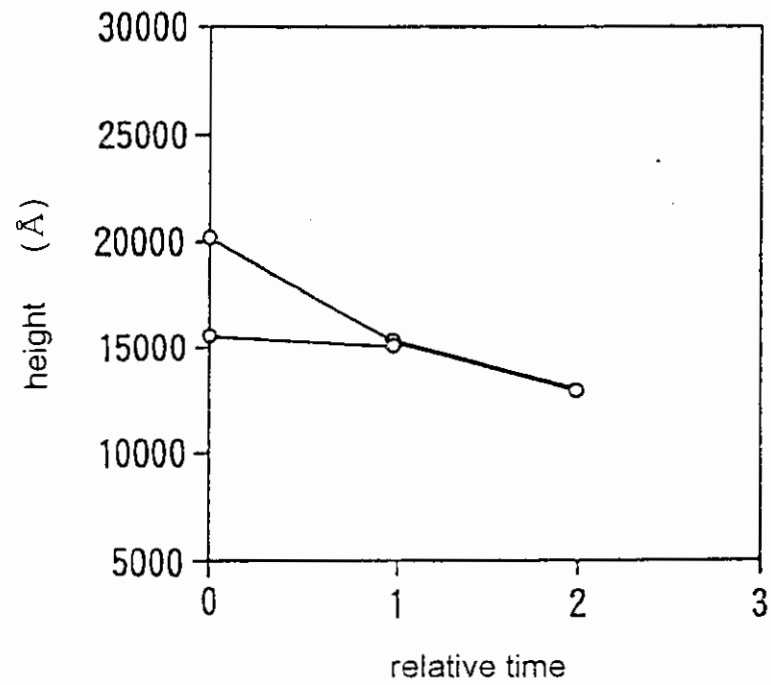


FIG. 13A FIG. 13B FIG. 13C

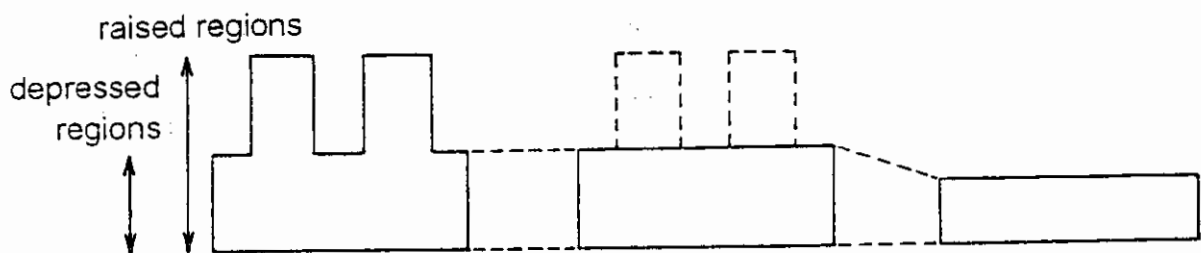


FIG. 14

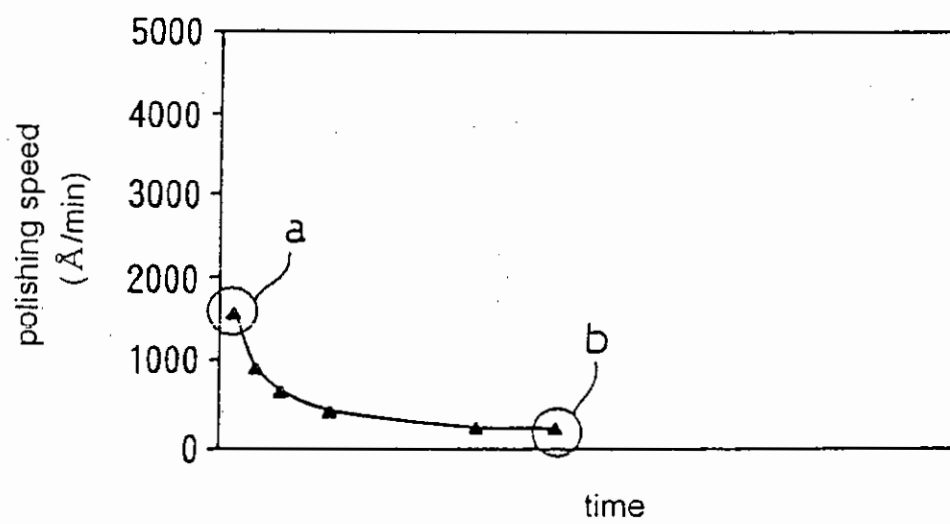


FIG. 15A

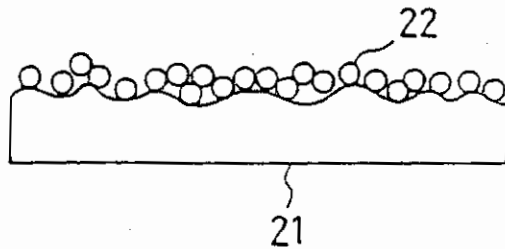


FIG. 15B

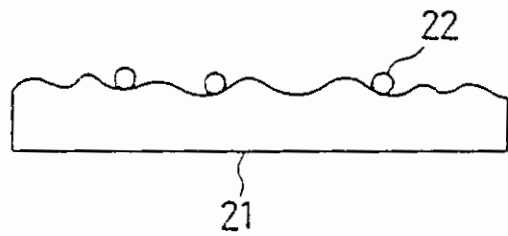
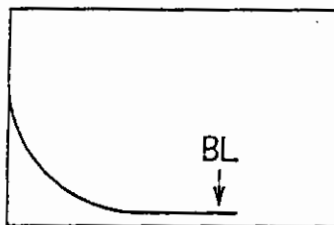


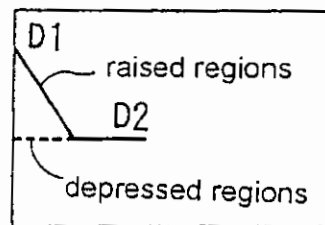
FIG. 16A

transitions
in polishing speed



polishing time

transitions
in film thickness



polishing time

comparison of
polishing speed

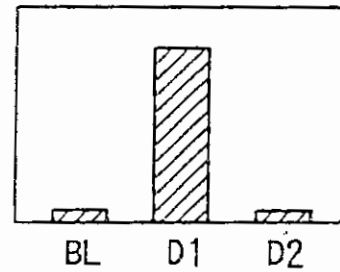
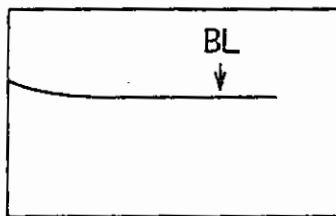
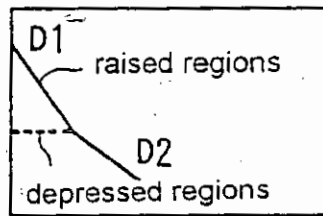


FIG. 16B



polishing time



polishing time

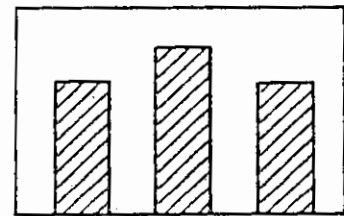
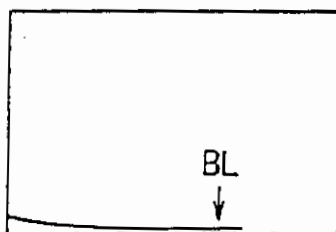
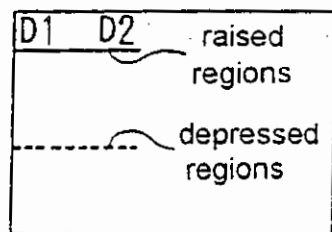


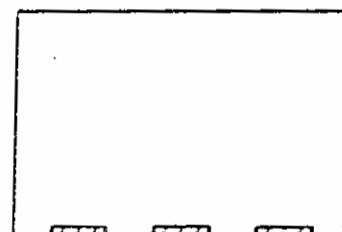
FIG. 16C



polishing time



polishing time



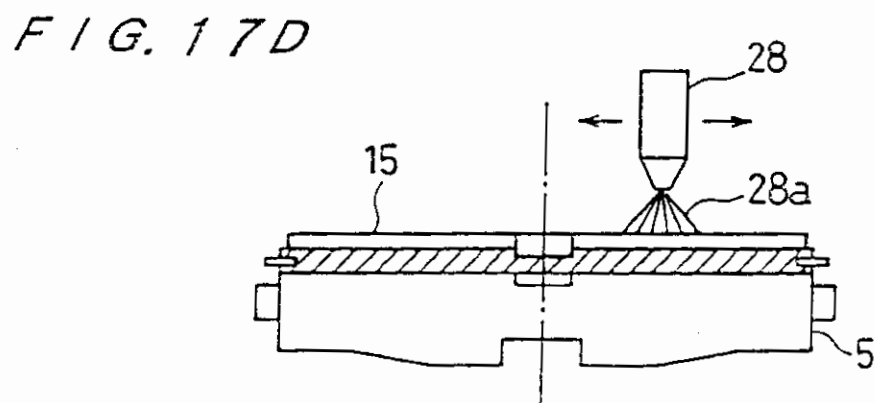
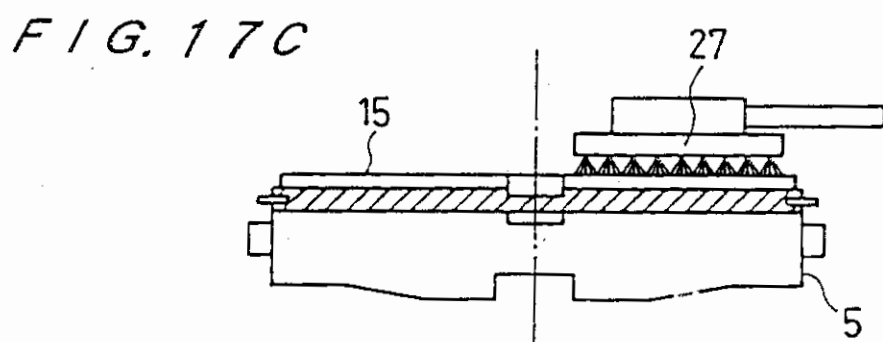
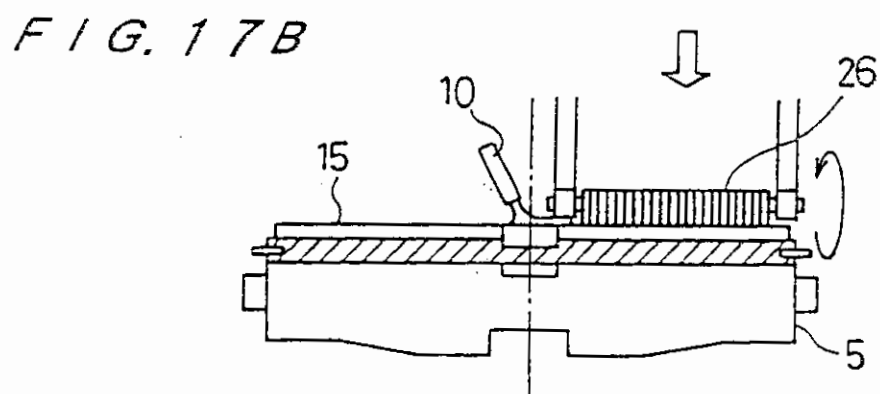
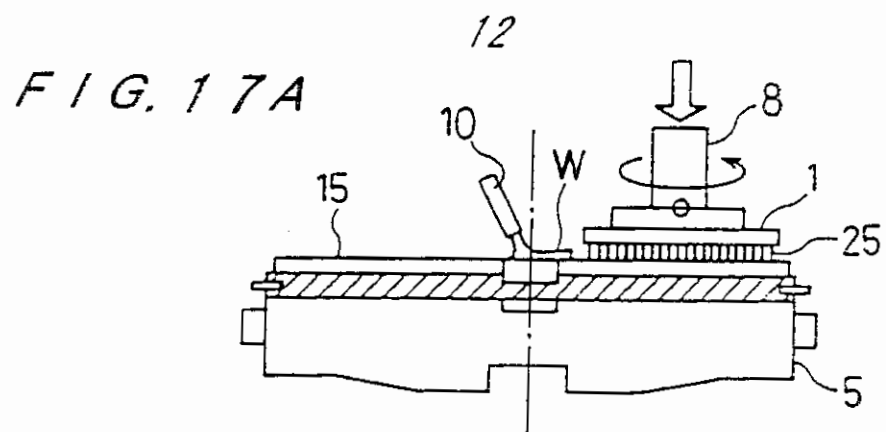


FIG. 18A

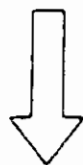
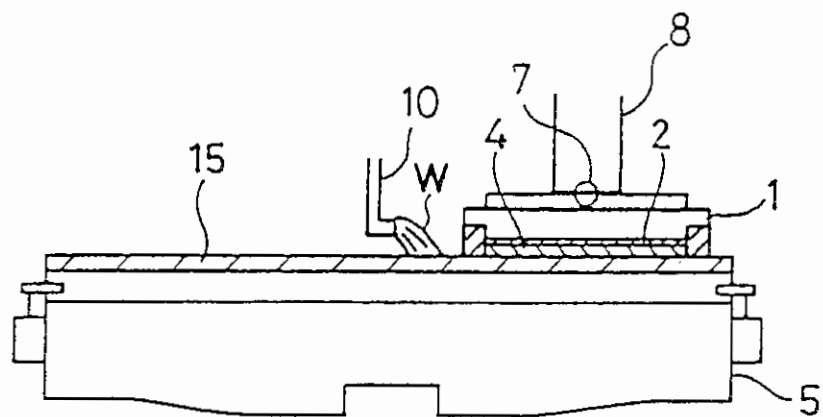
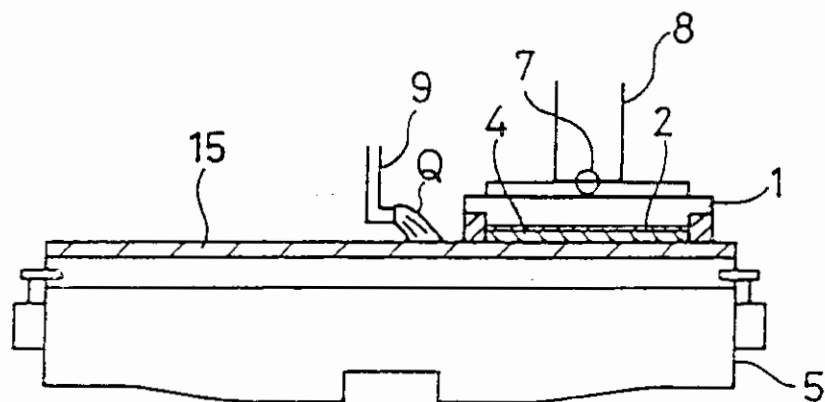
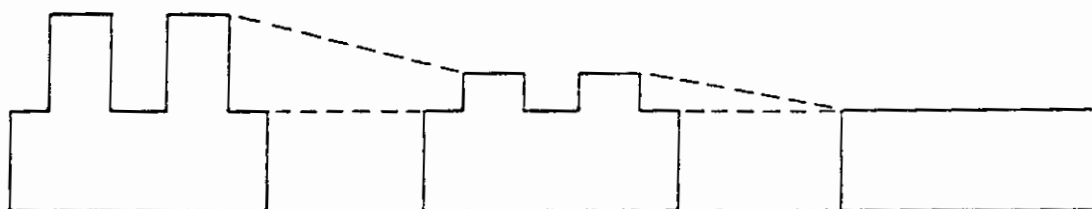


FIG. 18B



the first stage (planarization)



the second stage
(surface material removal)

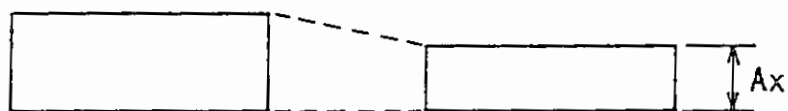


FIG. 20A

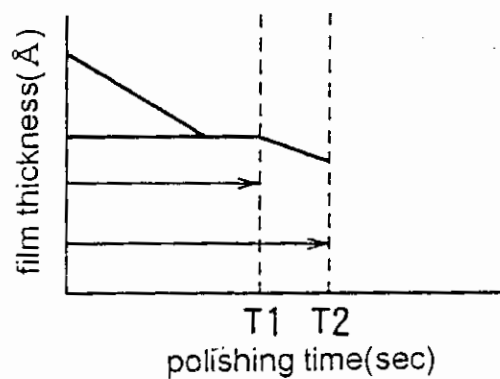


FIG. 20B

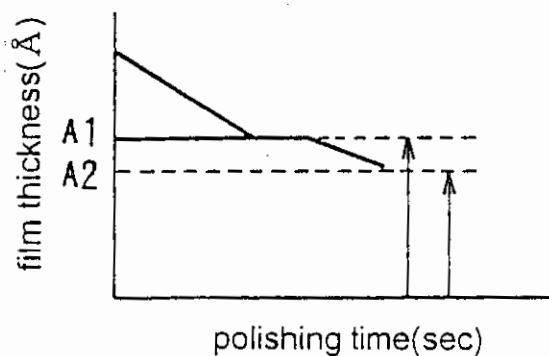


FIG. 21

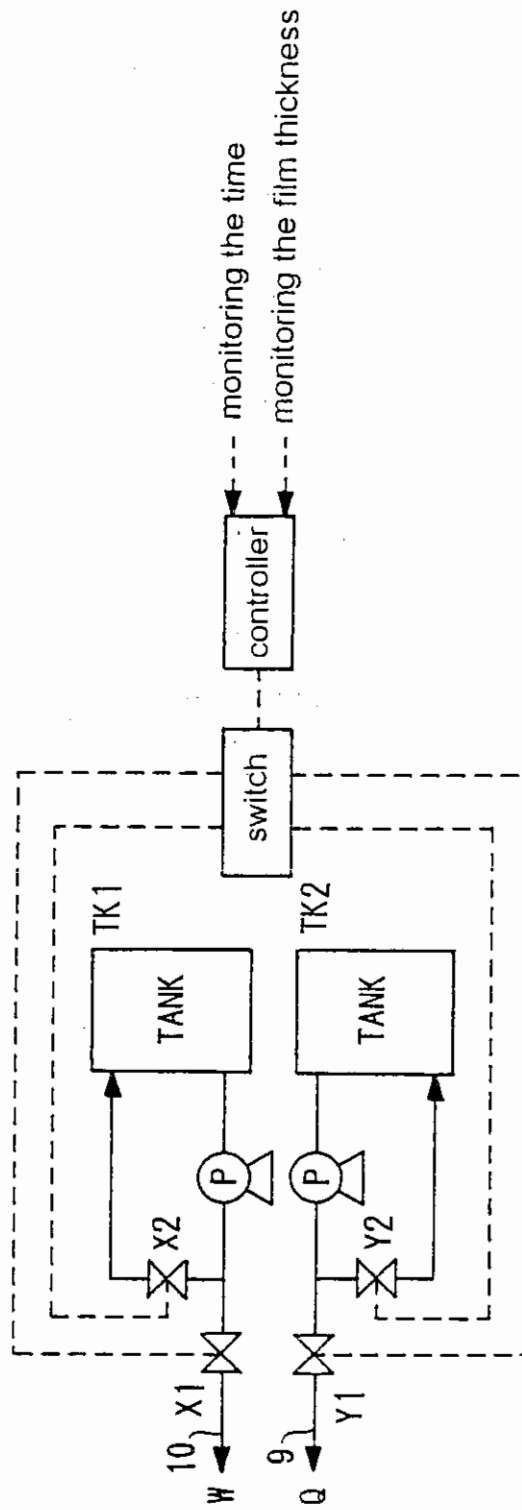


FIG. 22

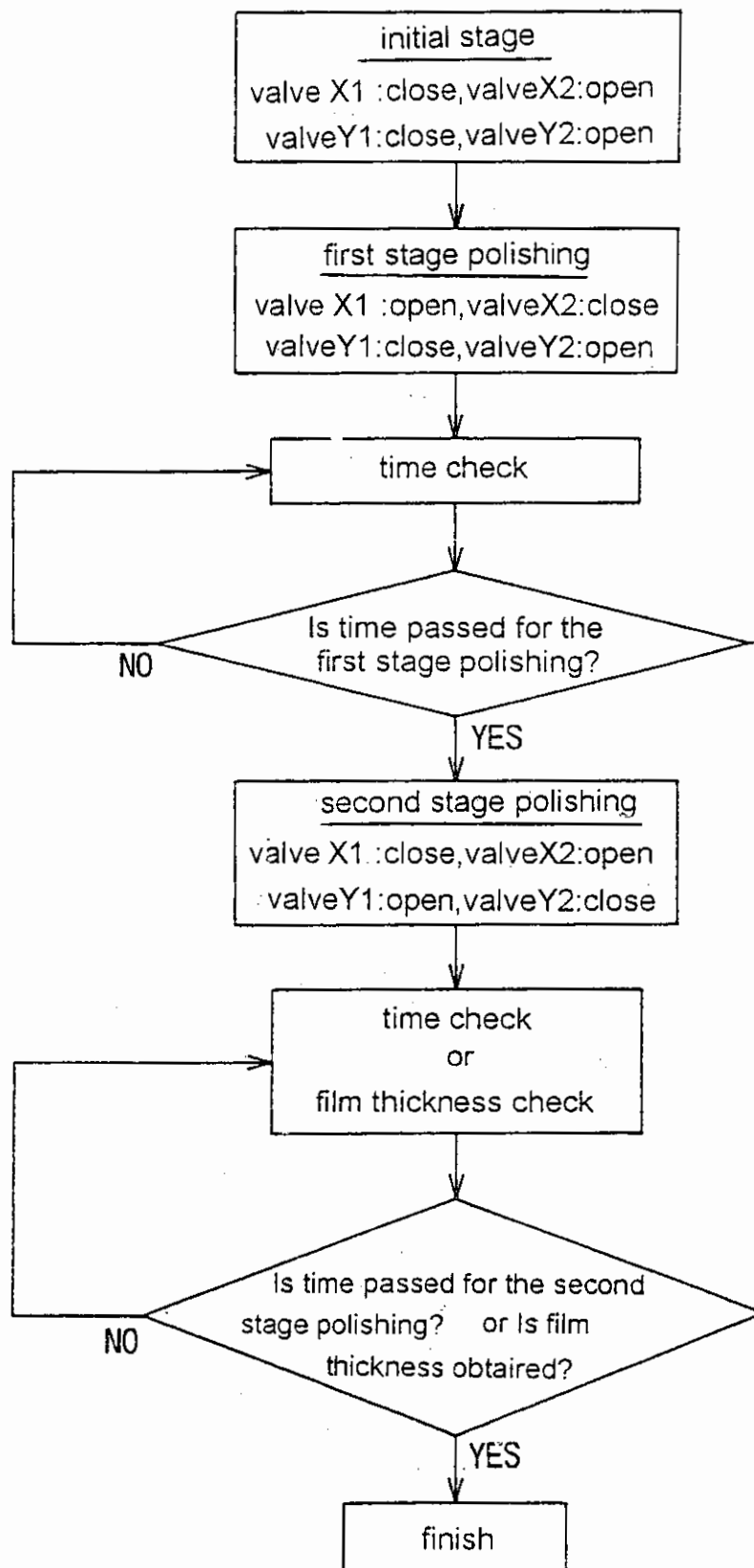


FIG. 23A

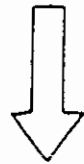
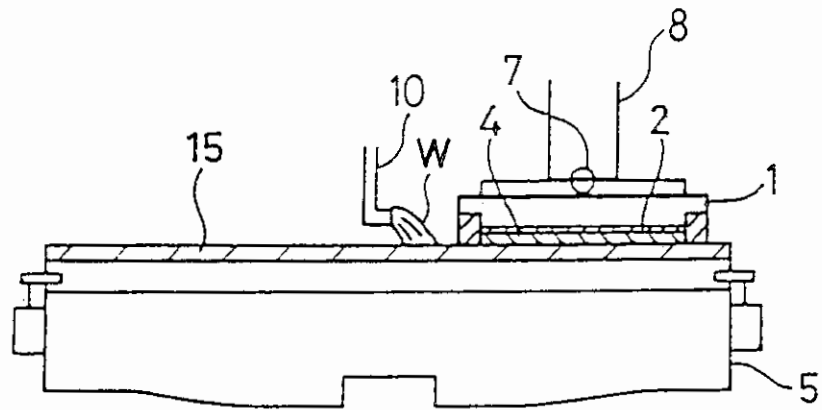


FIG. 23B

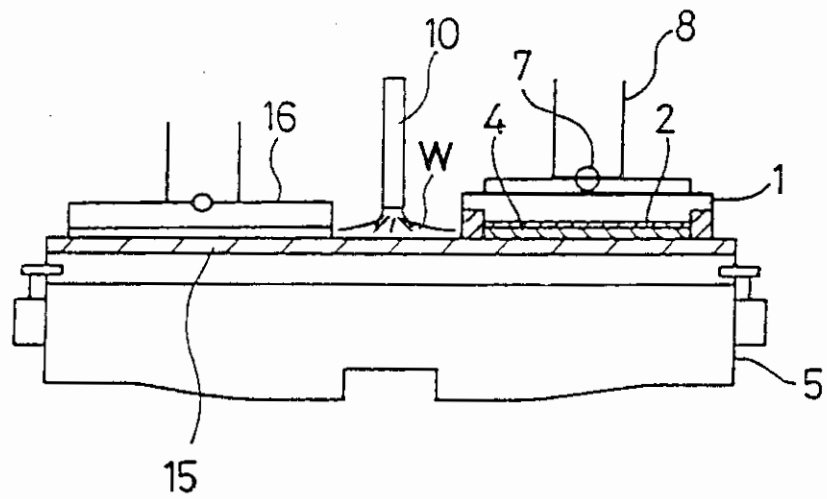


FIG. 24

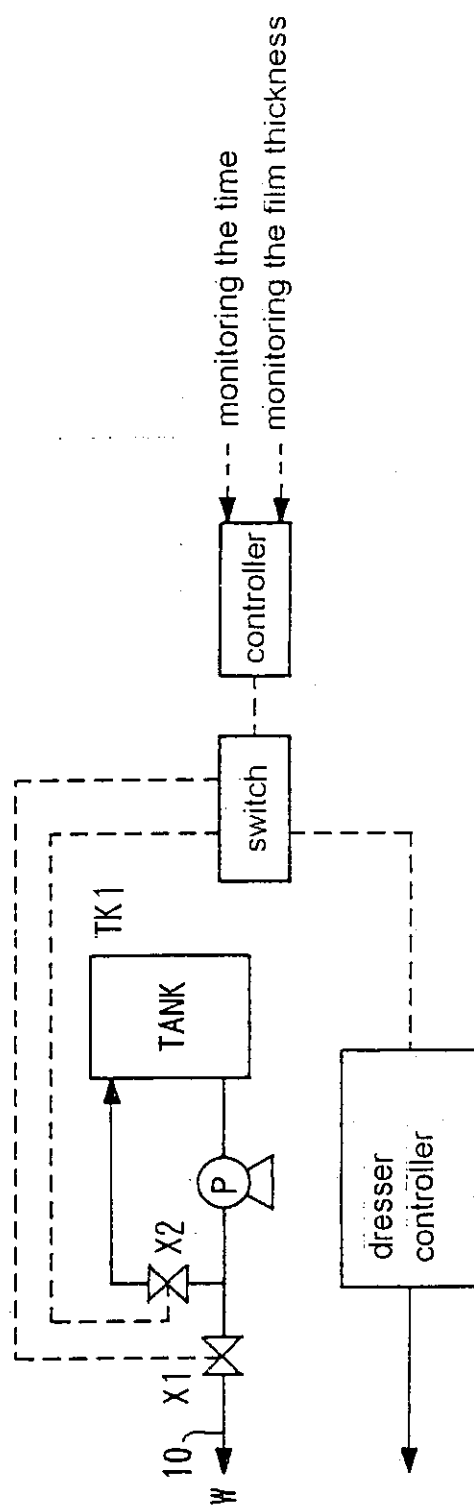


FIG. 25

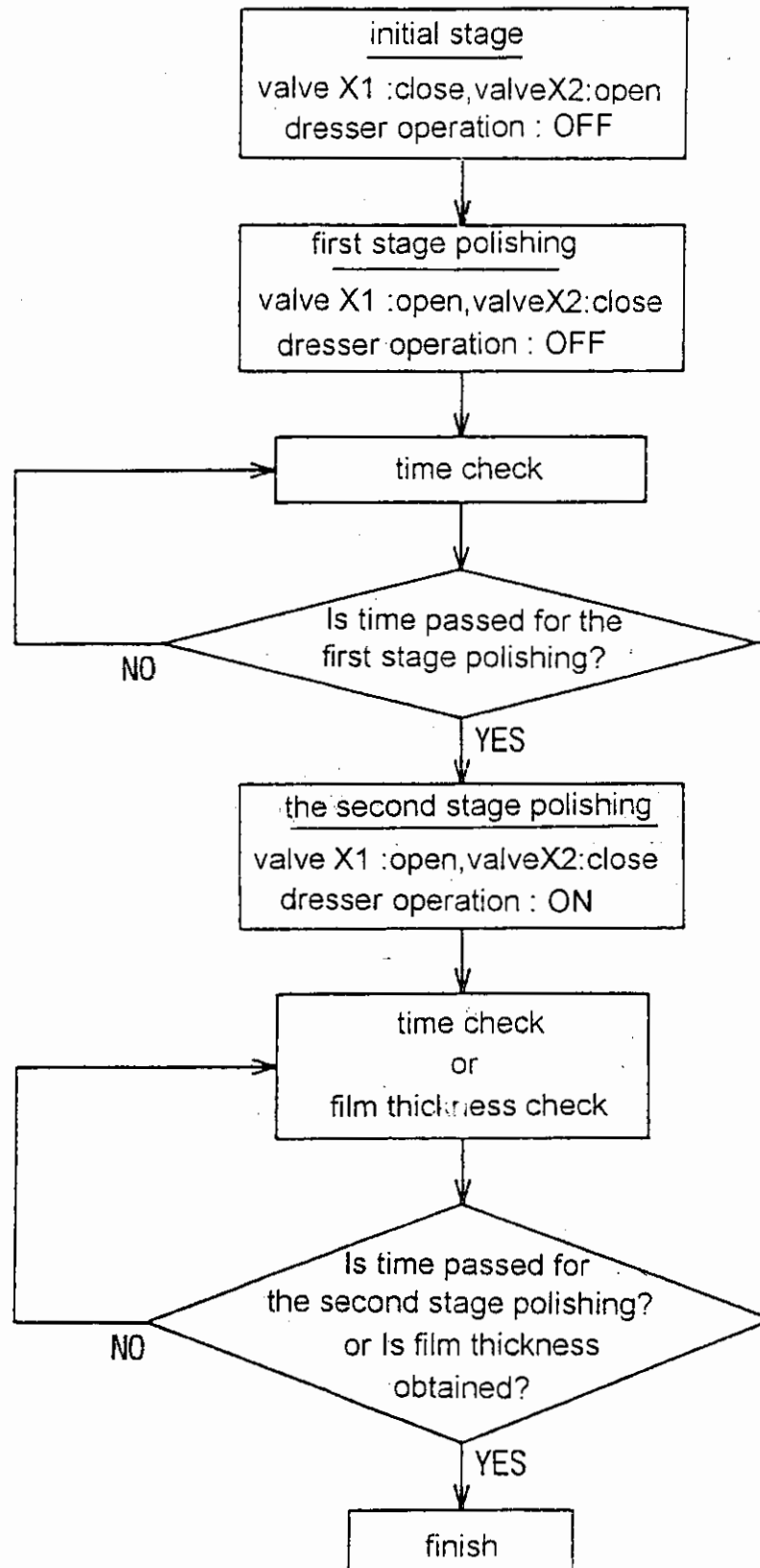


FIG. 26A

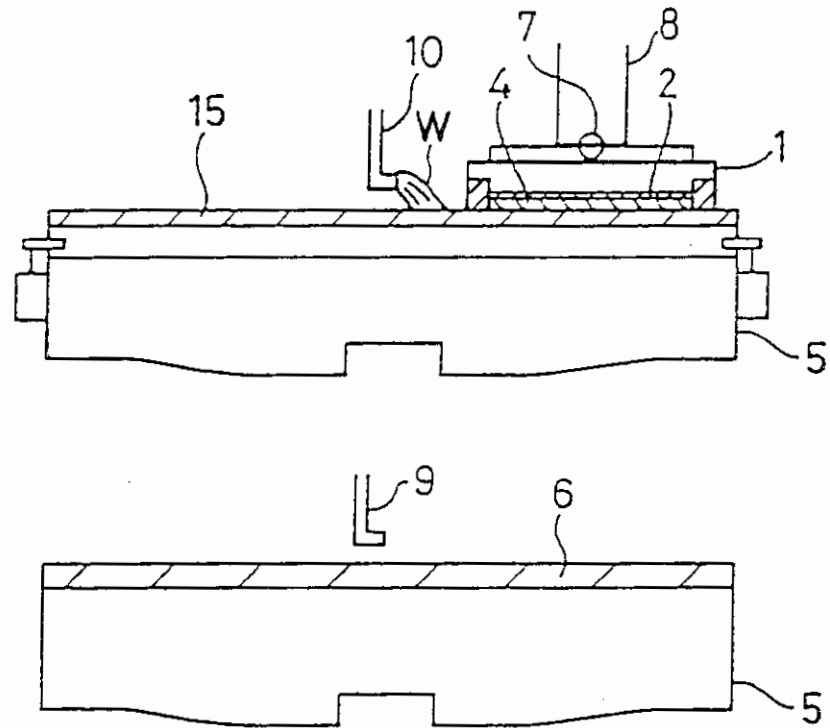


FIG. 26B

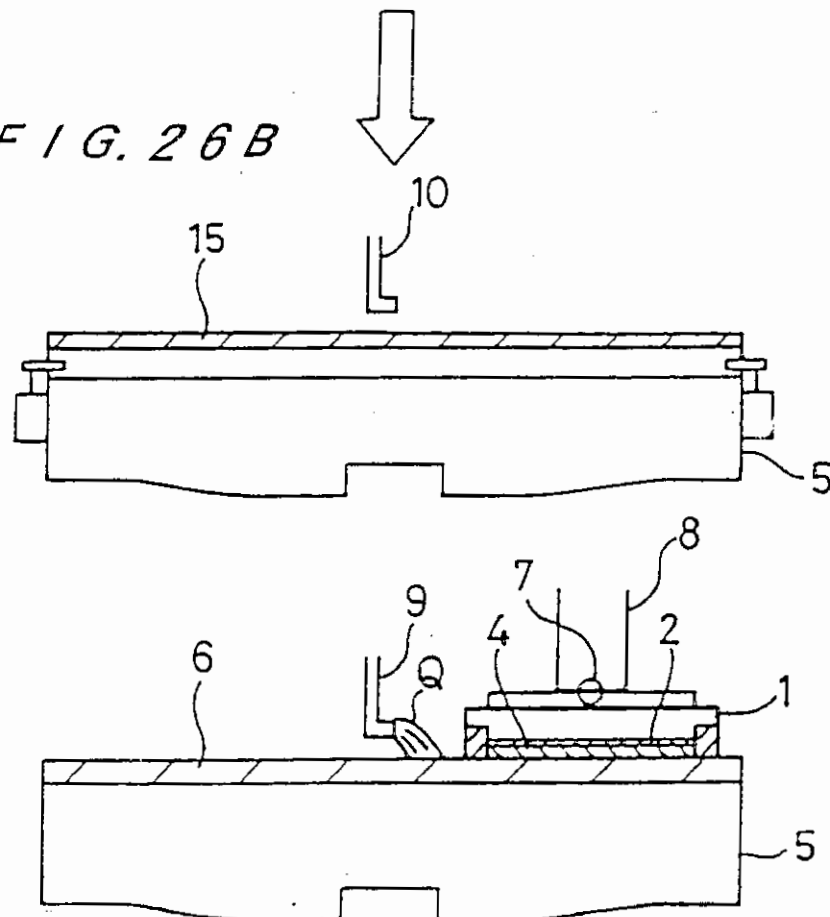
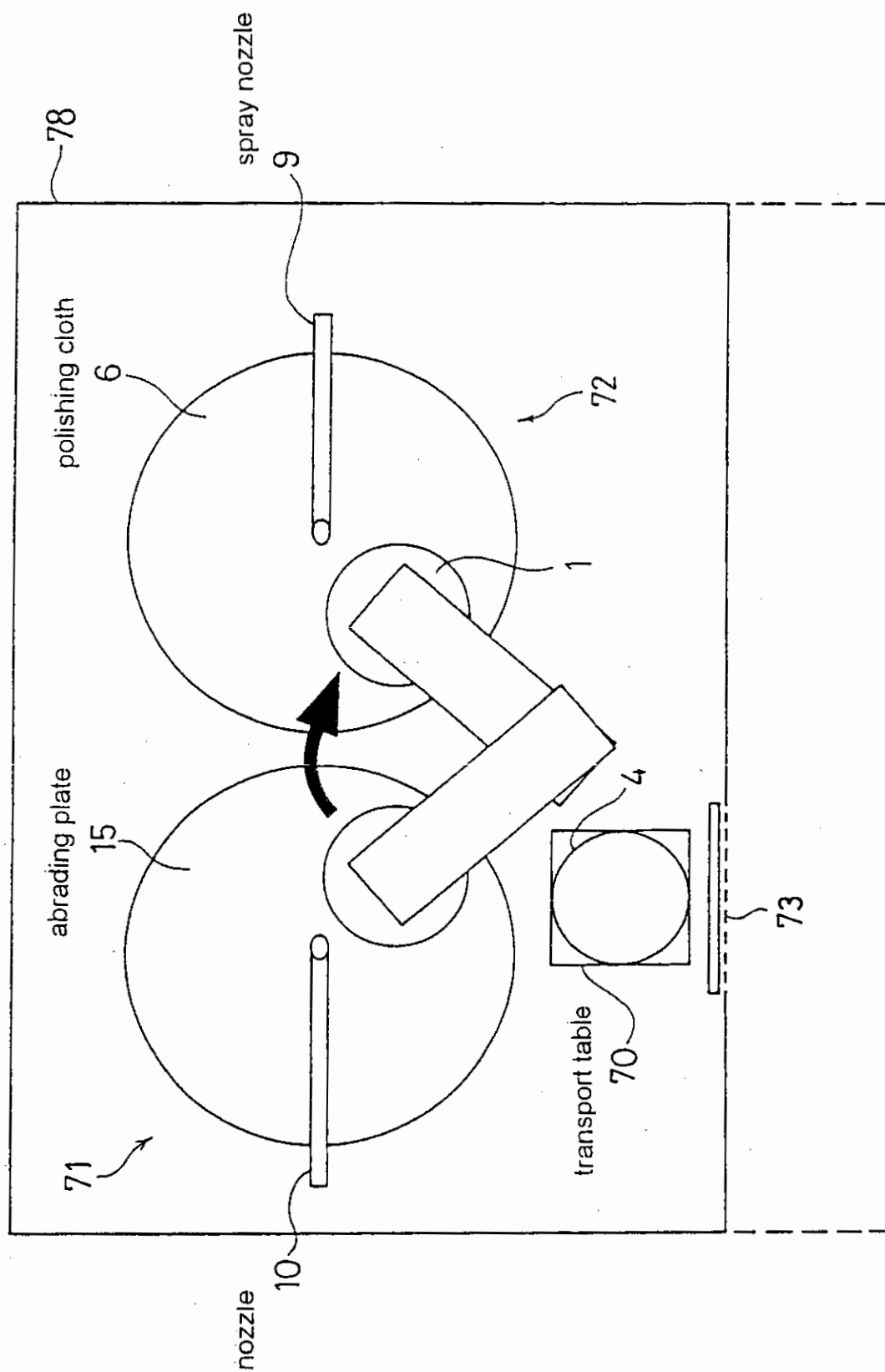


FIG. 27



22

FIG. 28

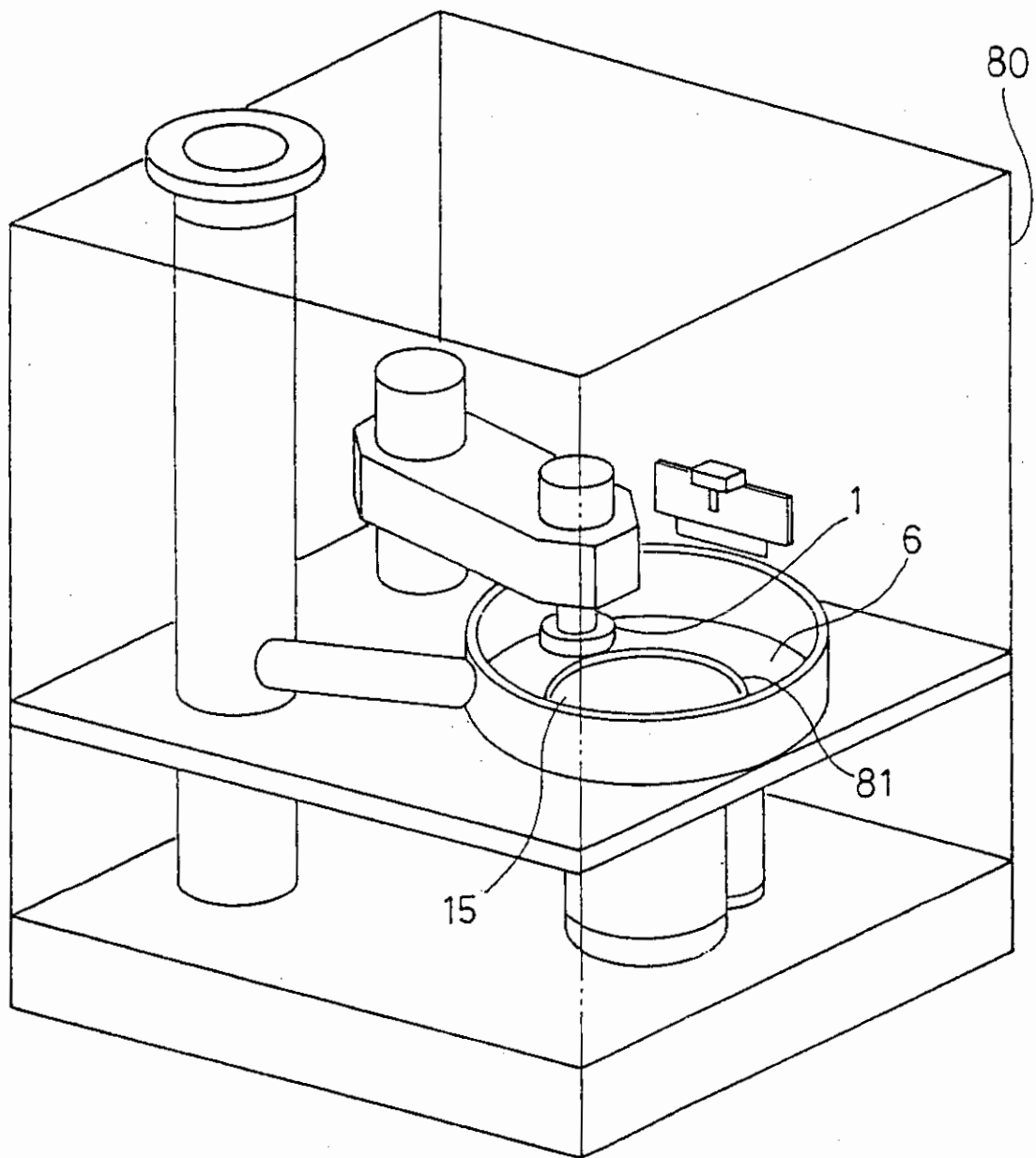


FIG. 29

