

1

FIG. 1

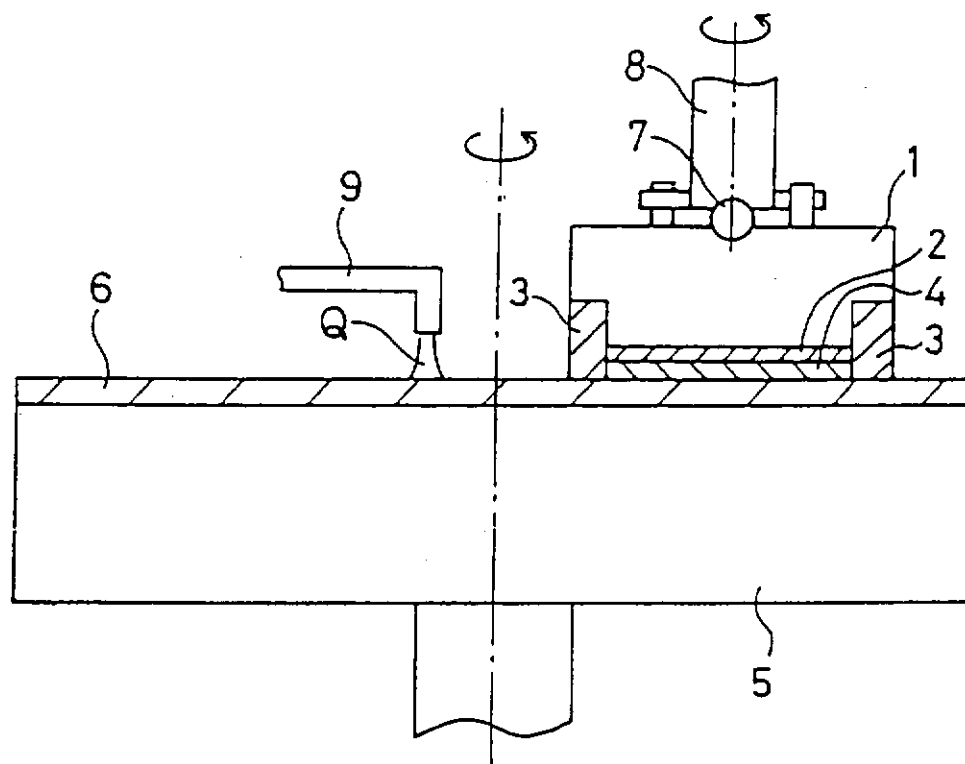


FIG. 2

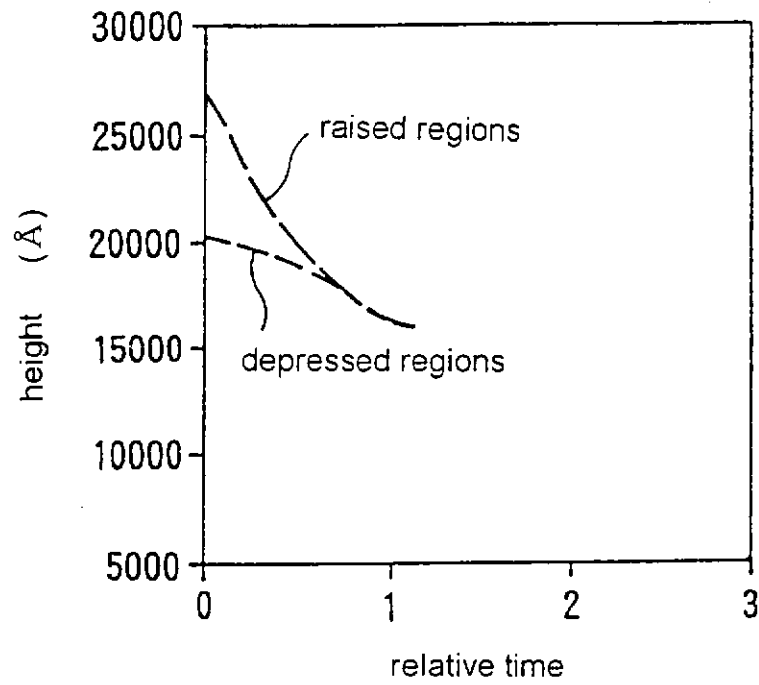
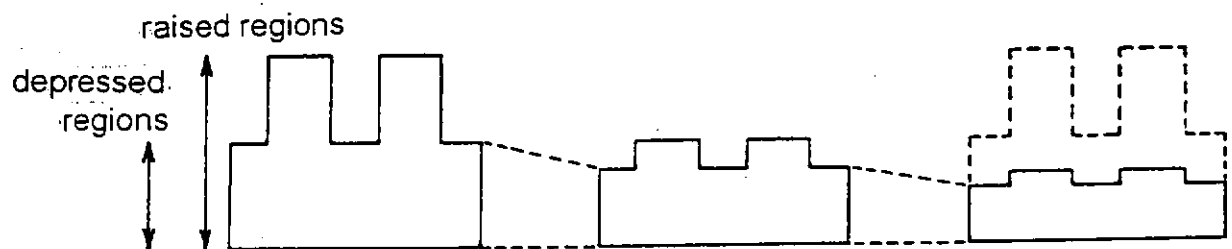


FIG. 3A

FIG. 3B

FIG. 3C



3
FIG. 4A

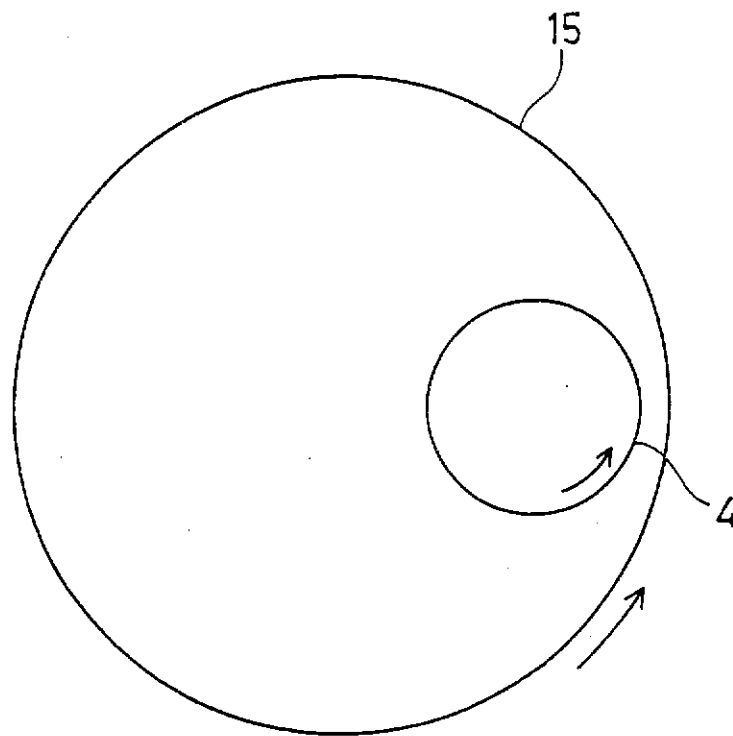


FIG. 4B

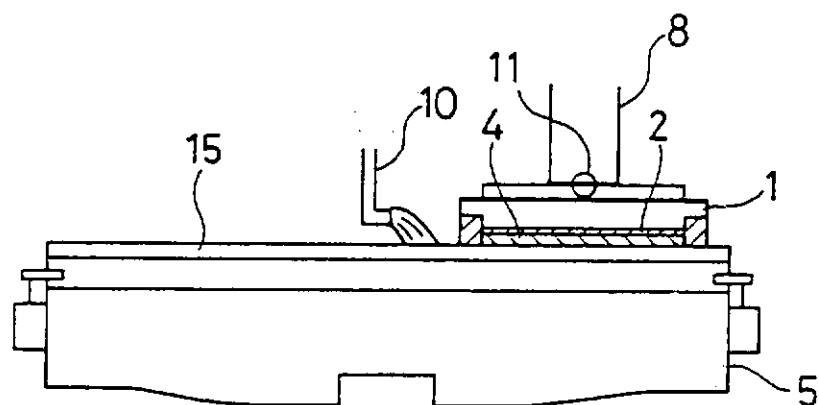
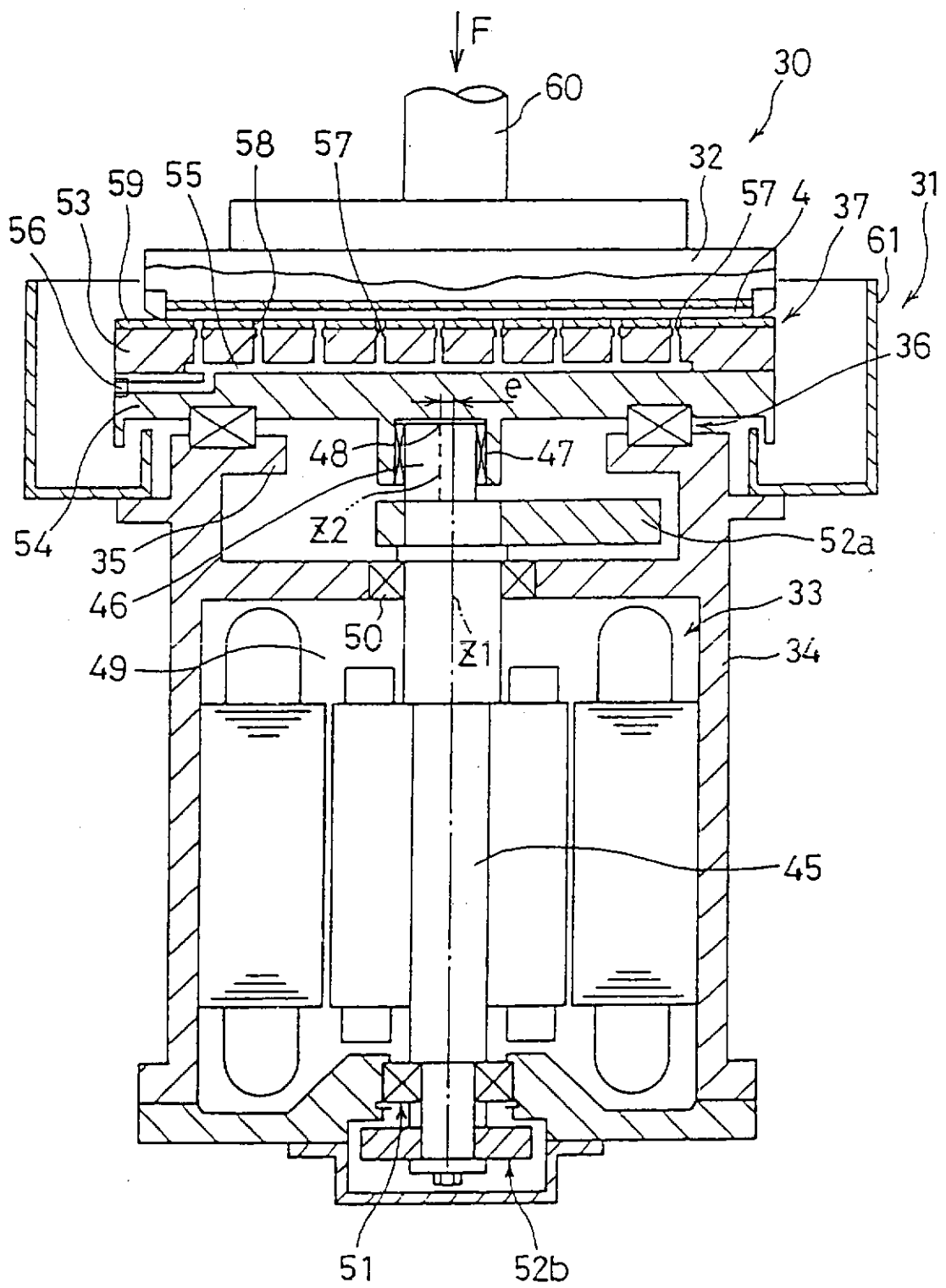


FIG. 5



5

FIG. 6A

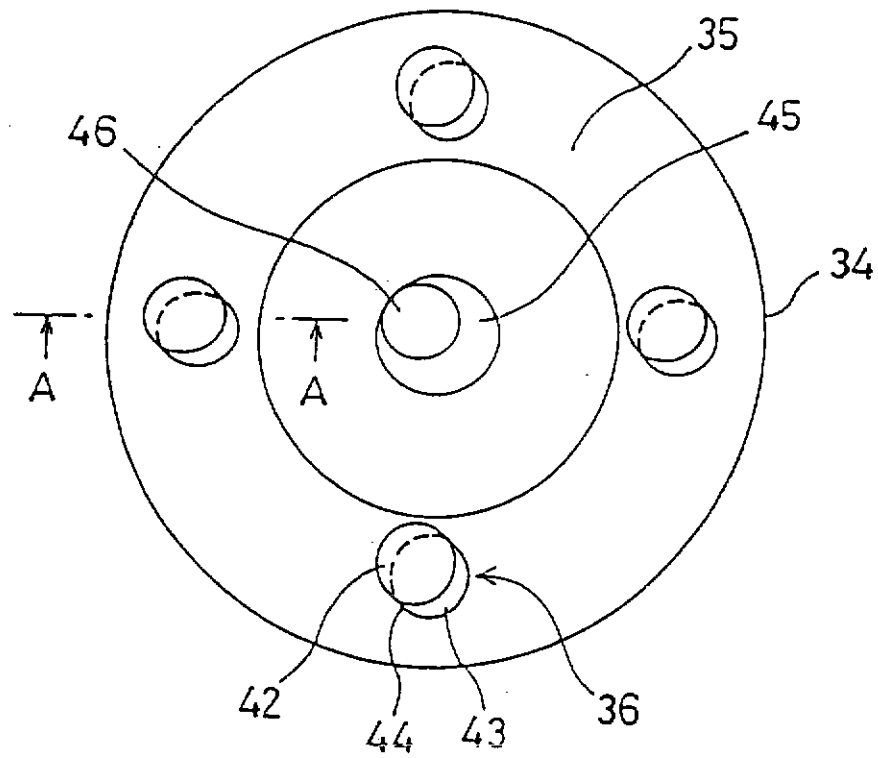


FIG. 6B

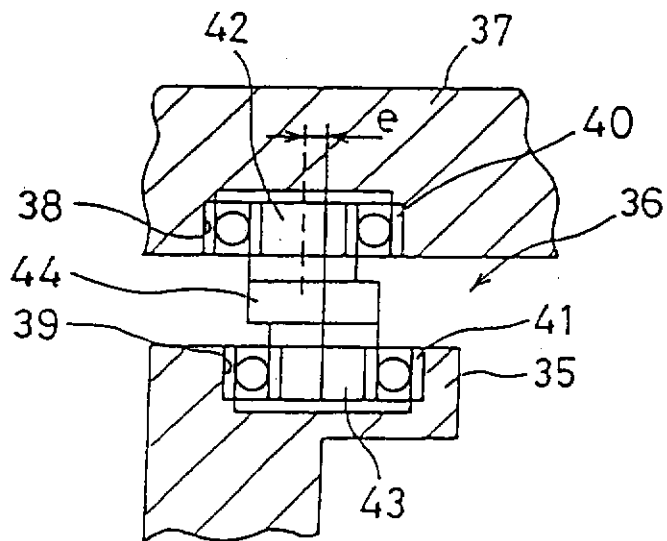


FIG. 7A

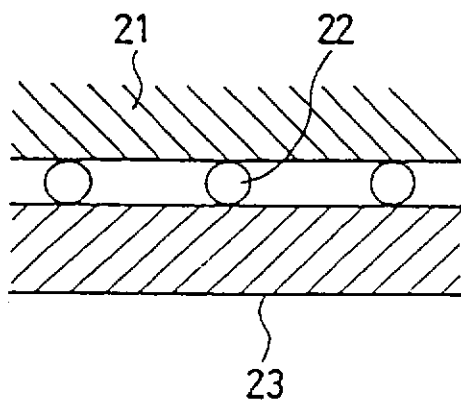


FIG. 7B

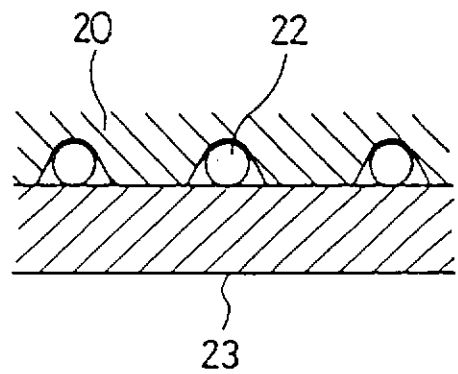


FIG. 8A

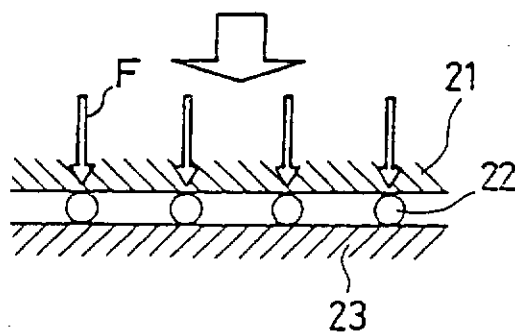


FIG. 8B

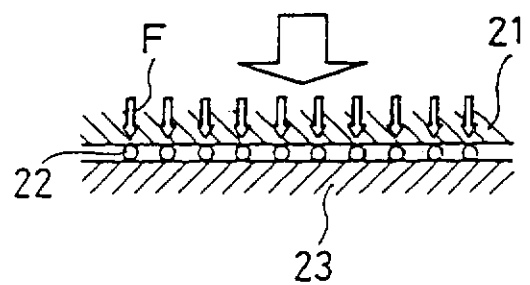


FIG. 9

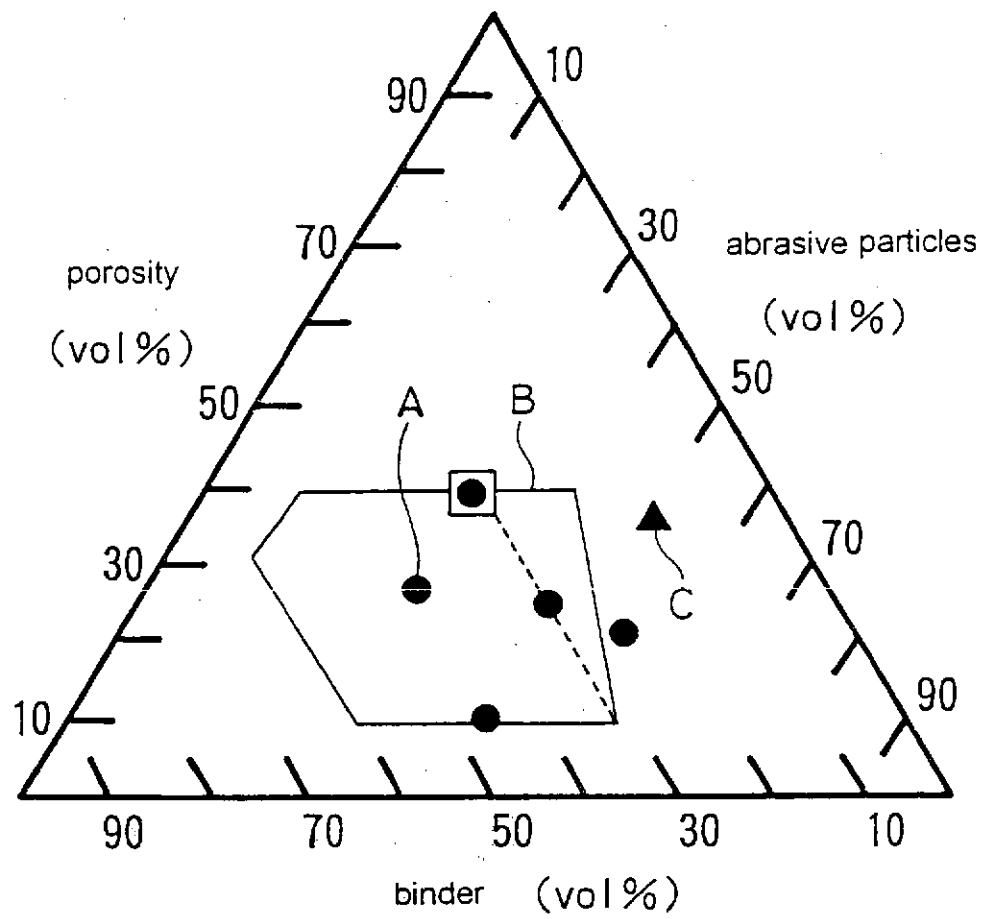


FIG. 10

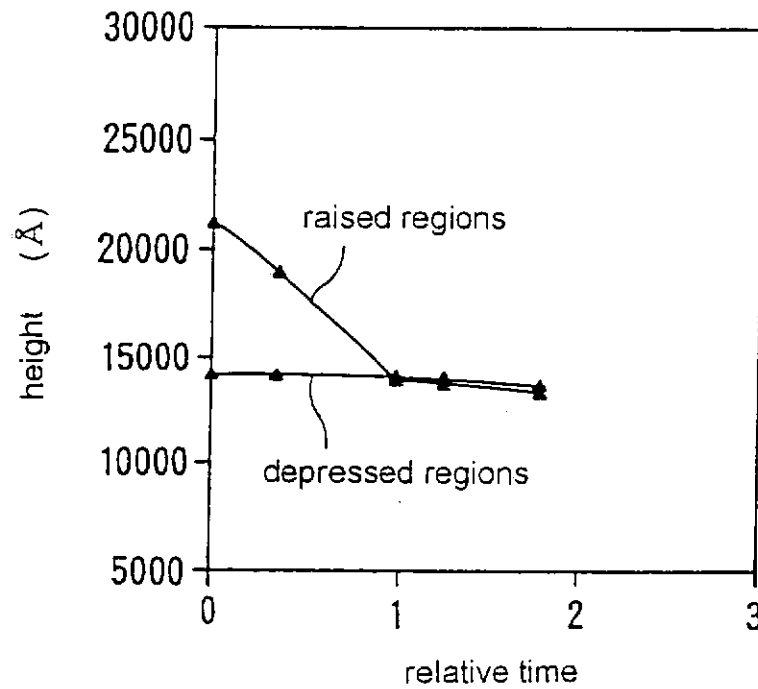
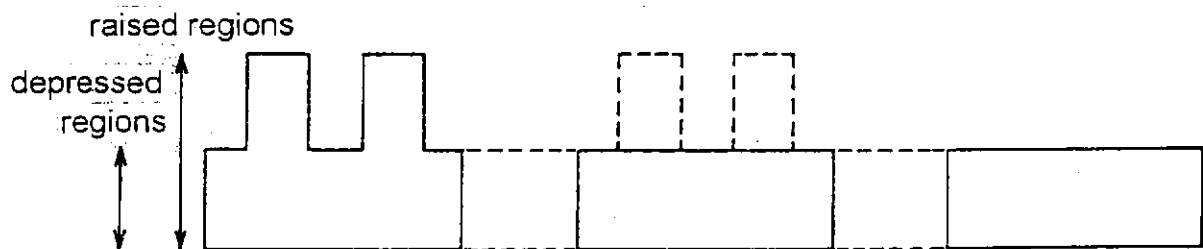


FIG. 11A FIG. 11B FIG. 11C



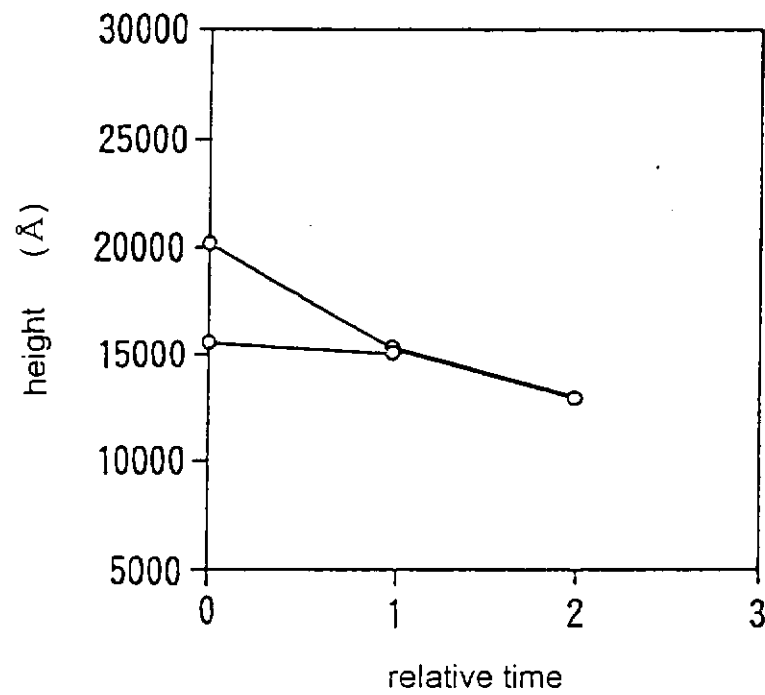


FIG. 13A FIG. 13B FIG. 13C

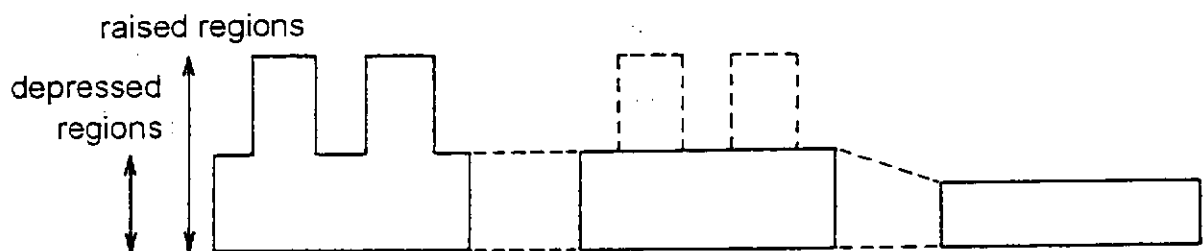


FIG. 14

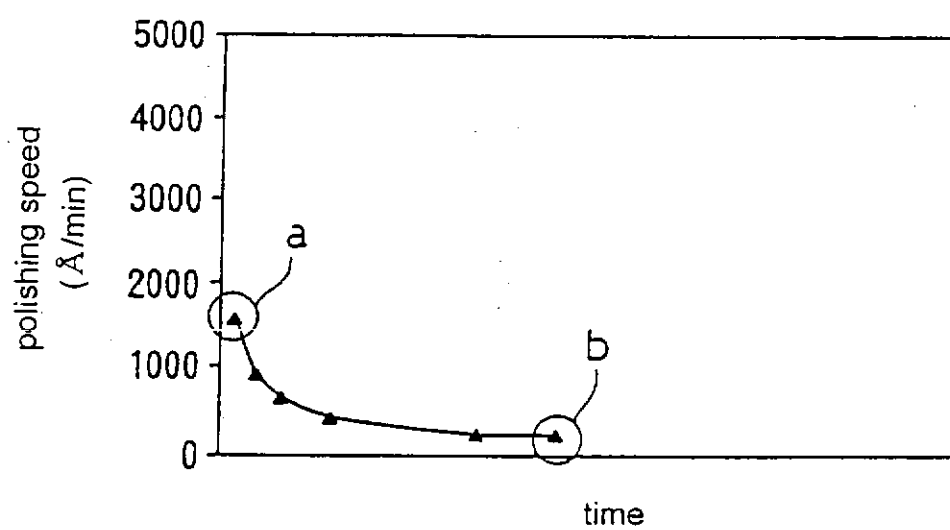


FIG. 15A

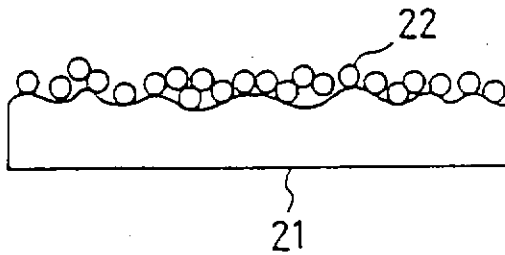


FIG. 15B

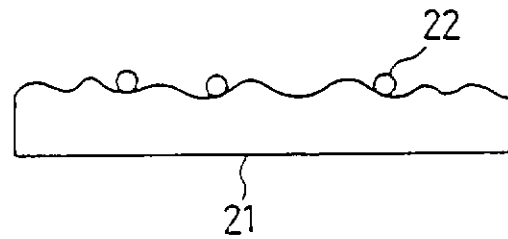
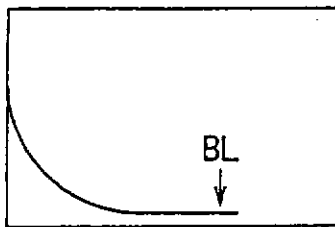


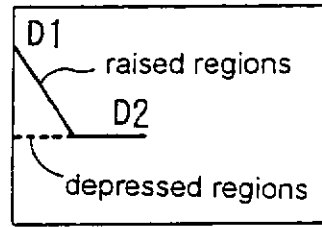
FIG. 16A

transitions
in polishing speed



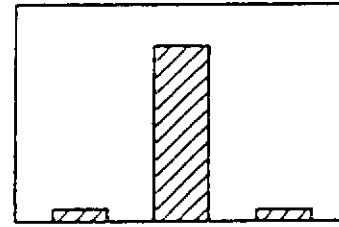
polishing time

transitions
in film thickness



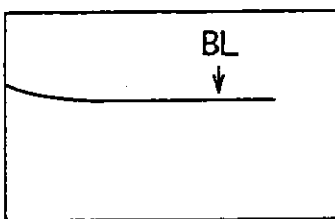
polishing time

comparison of
polishing speed

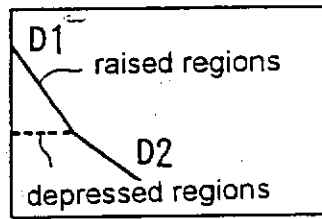


BL D1 D2

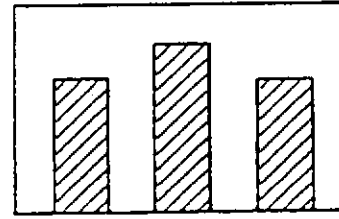
FIG. 16B



polishing time

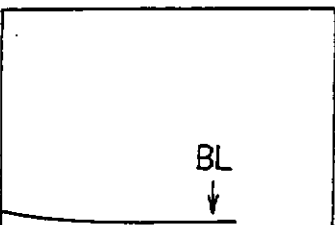


polishing time

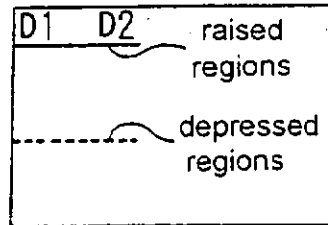


BL D1 D2

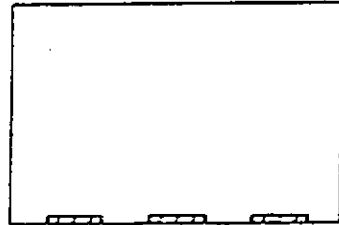
FIG. 16C



polishing time



polishing time



BL D1 D2

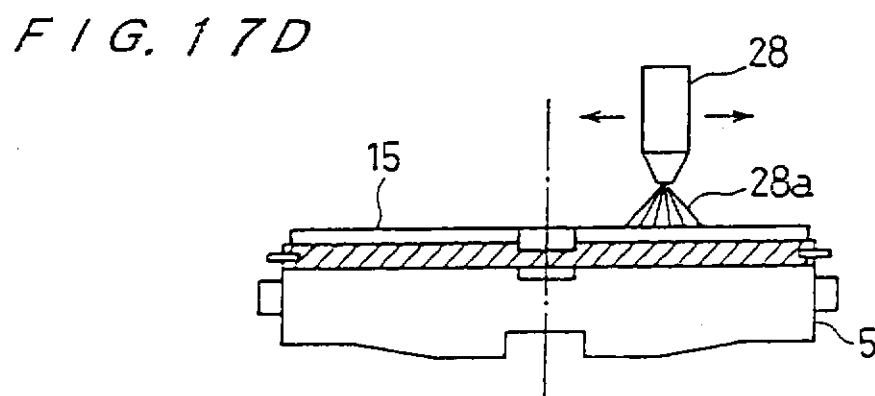
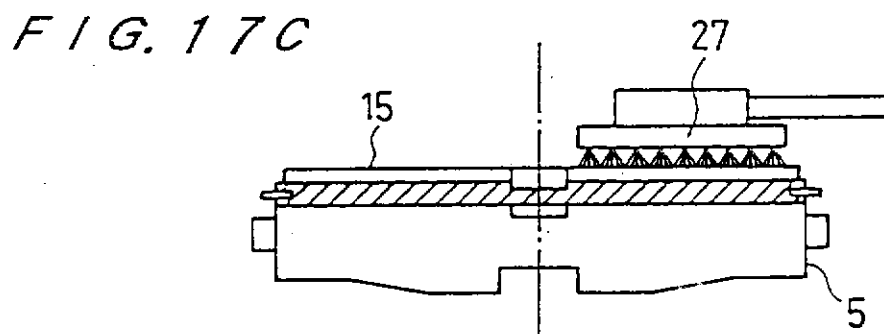
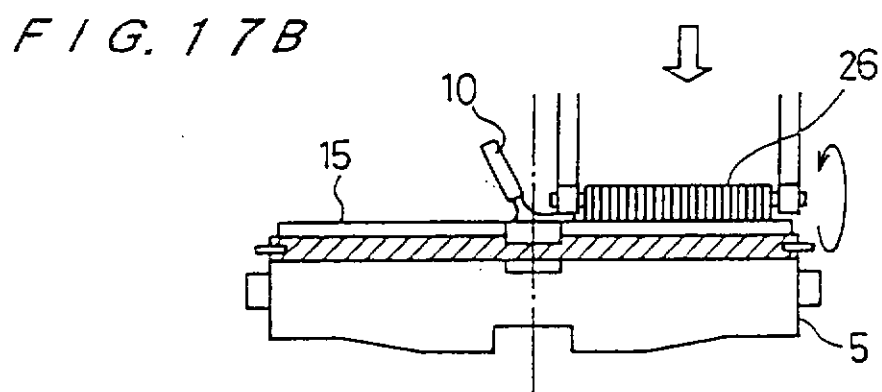
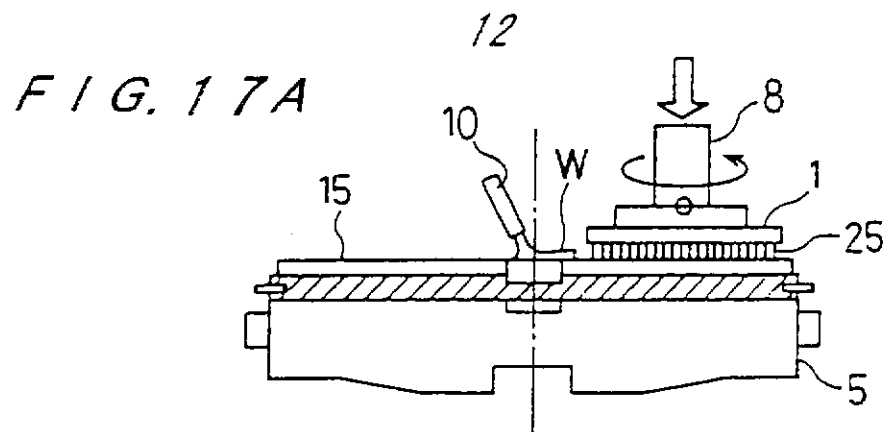


FIG. 18A

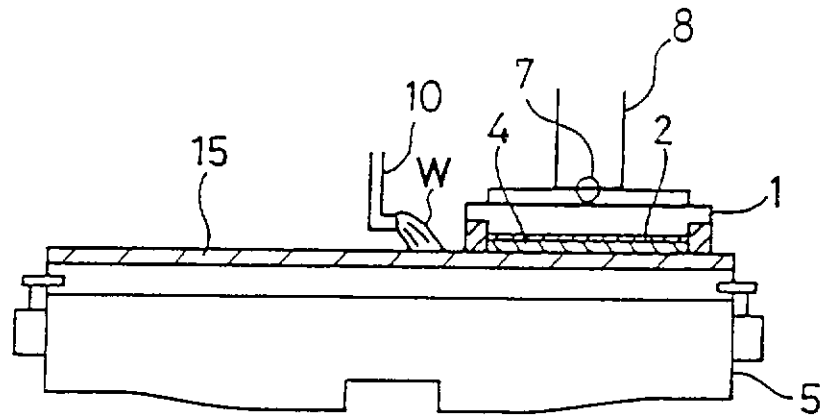
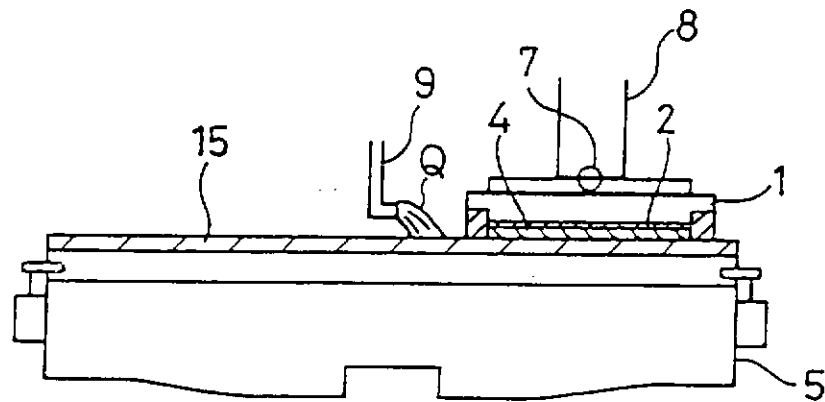
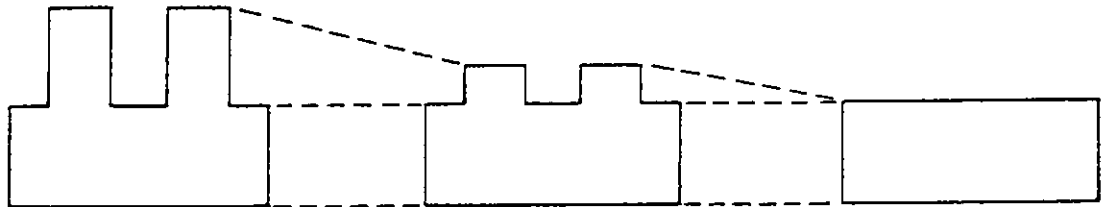


FIG. 18B



the first stage (planarization)



the second stage
(surface material removal)

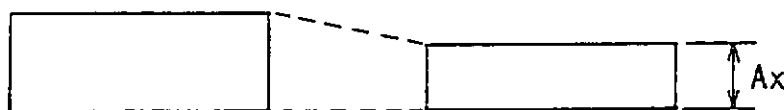


FIG. 20A

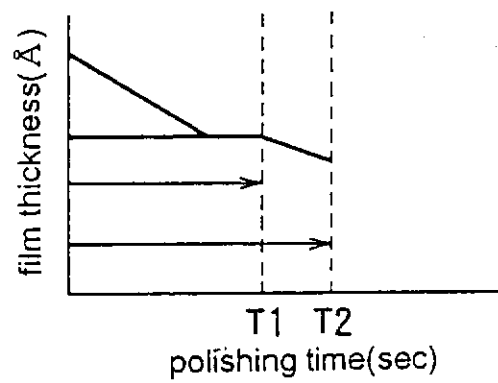


FIG. 20B

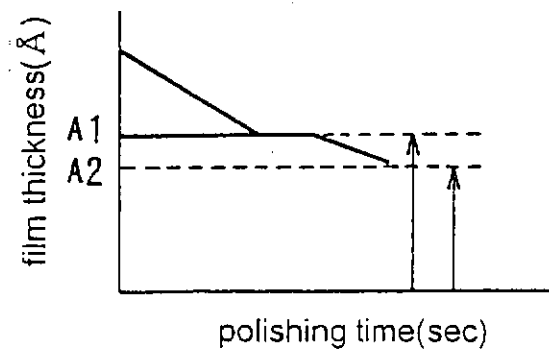


FIG. 22

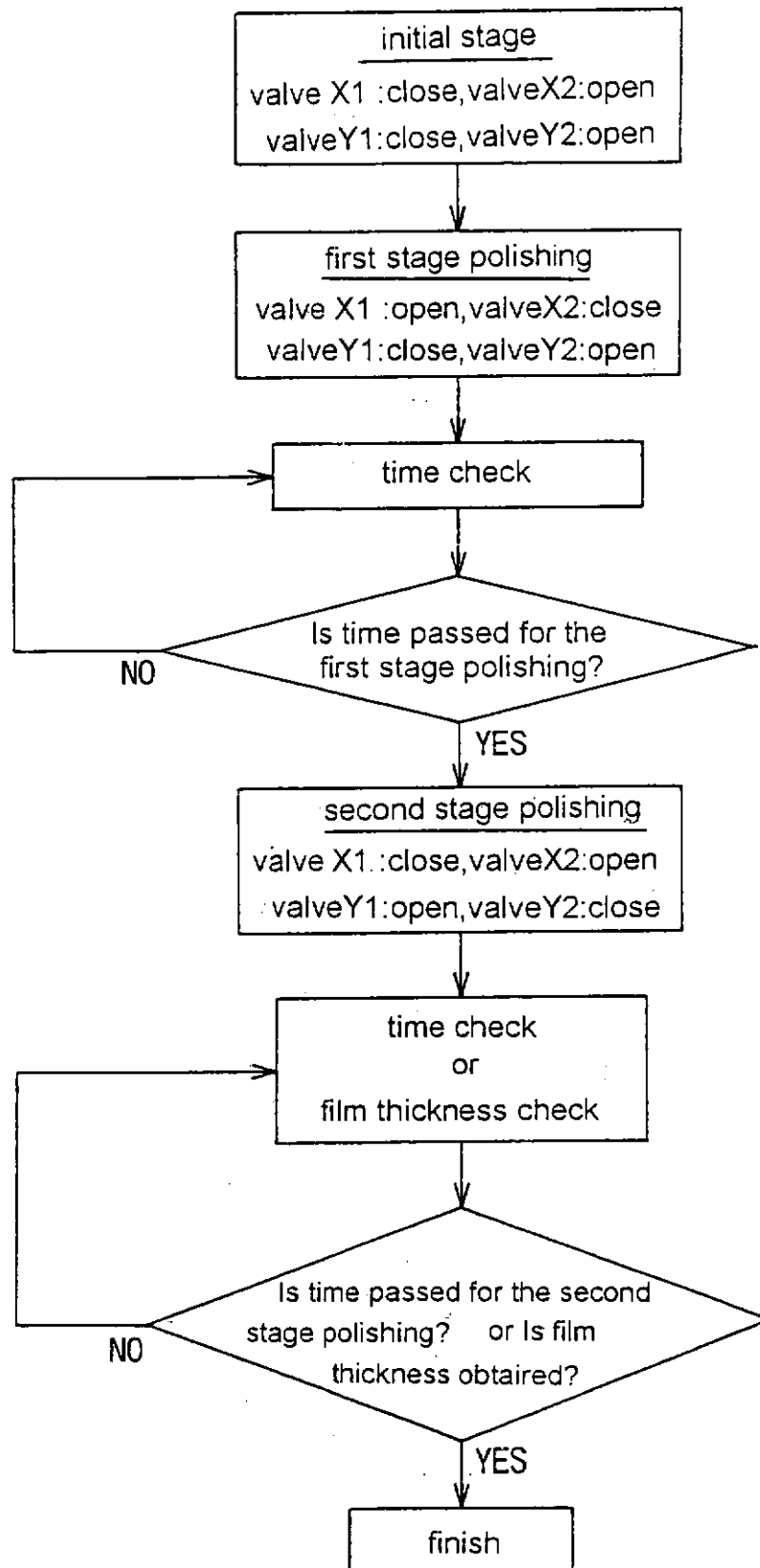


FIG. 23A

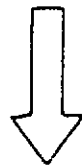
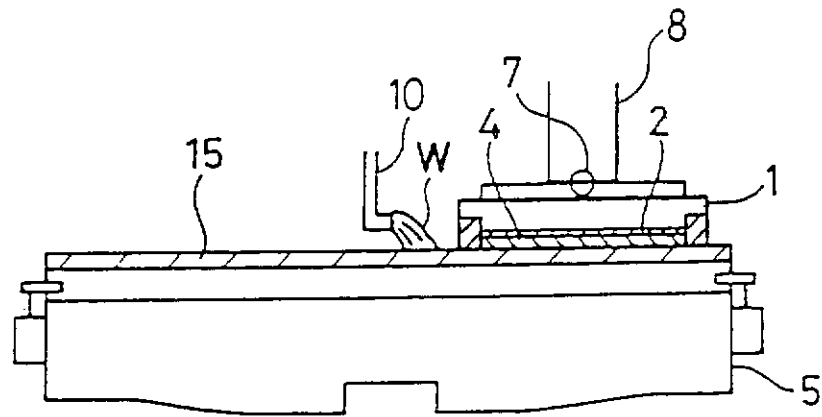


FIG. 23B

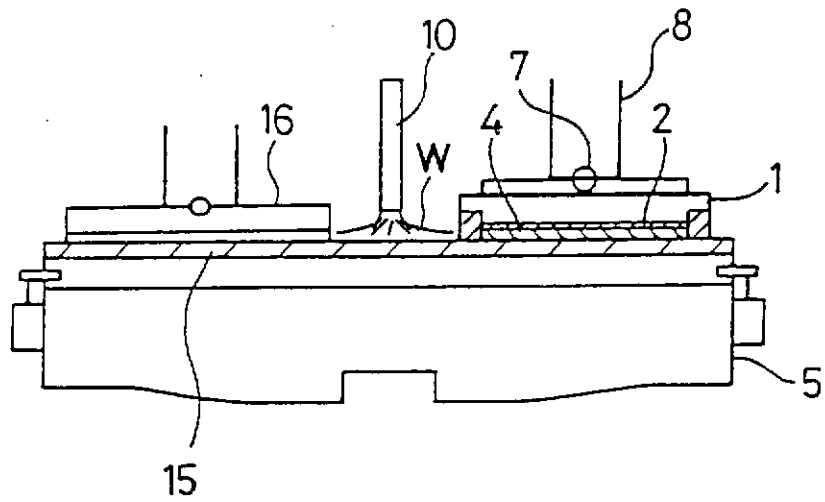


FIG. 24

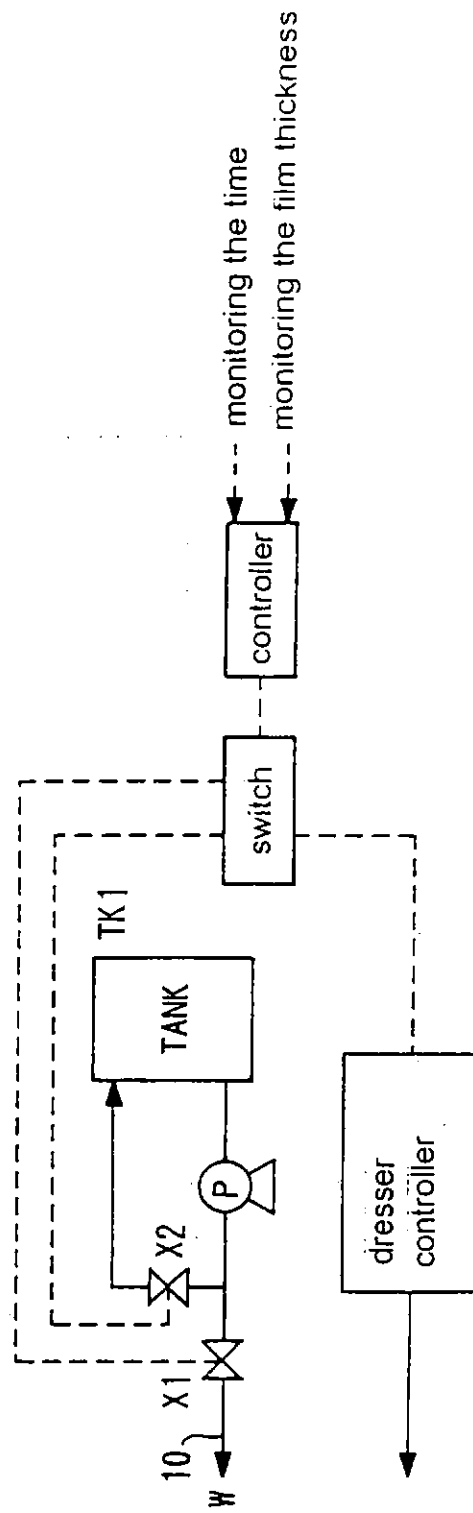


FIG. 25

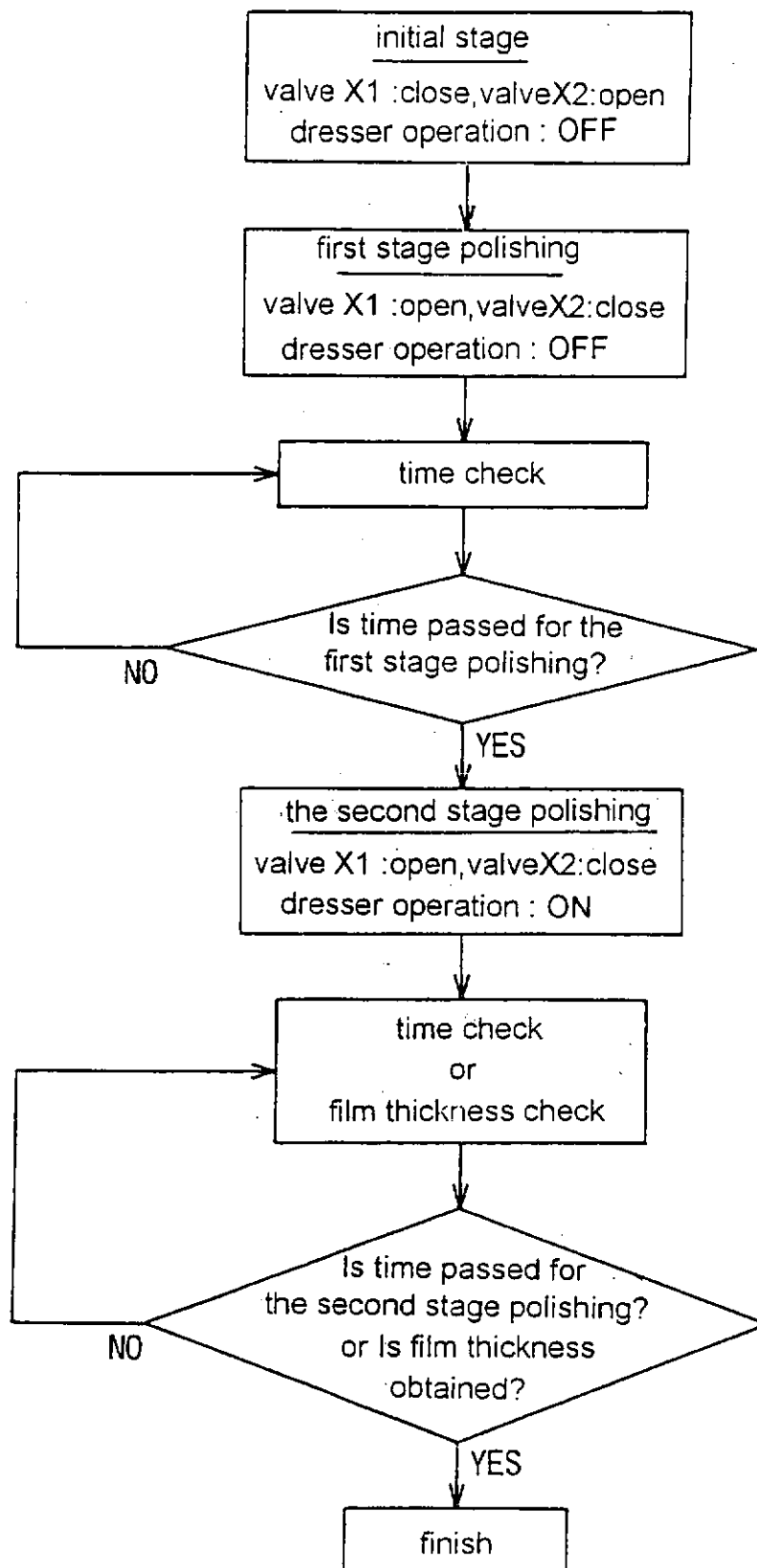


FIG. 26A

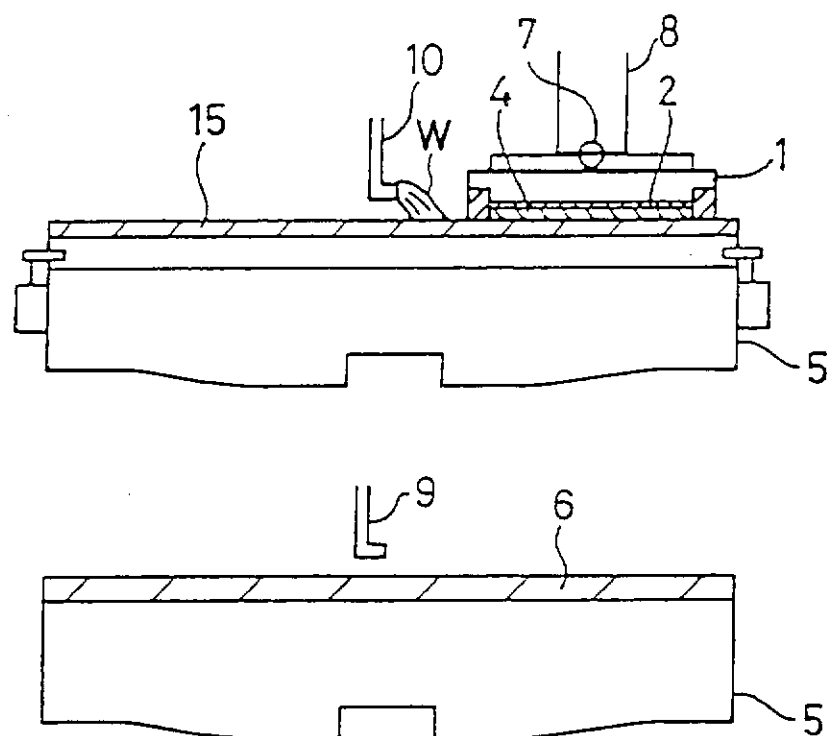


FIG. 26B

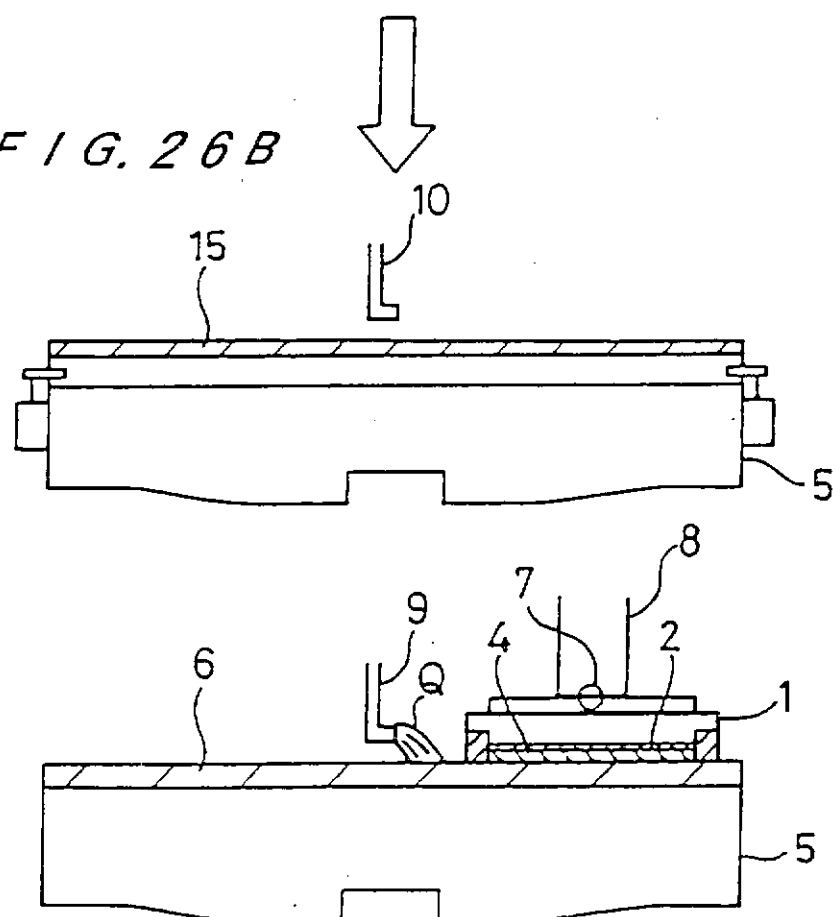
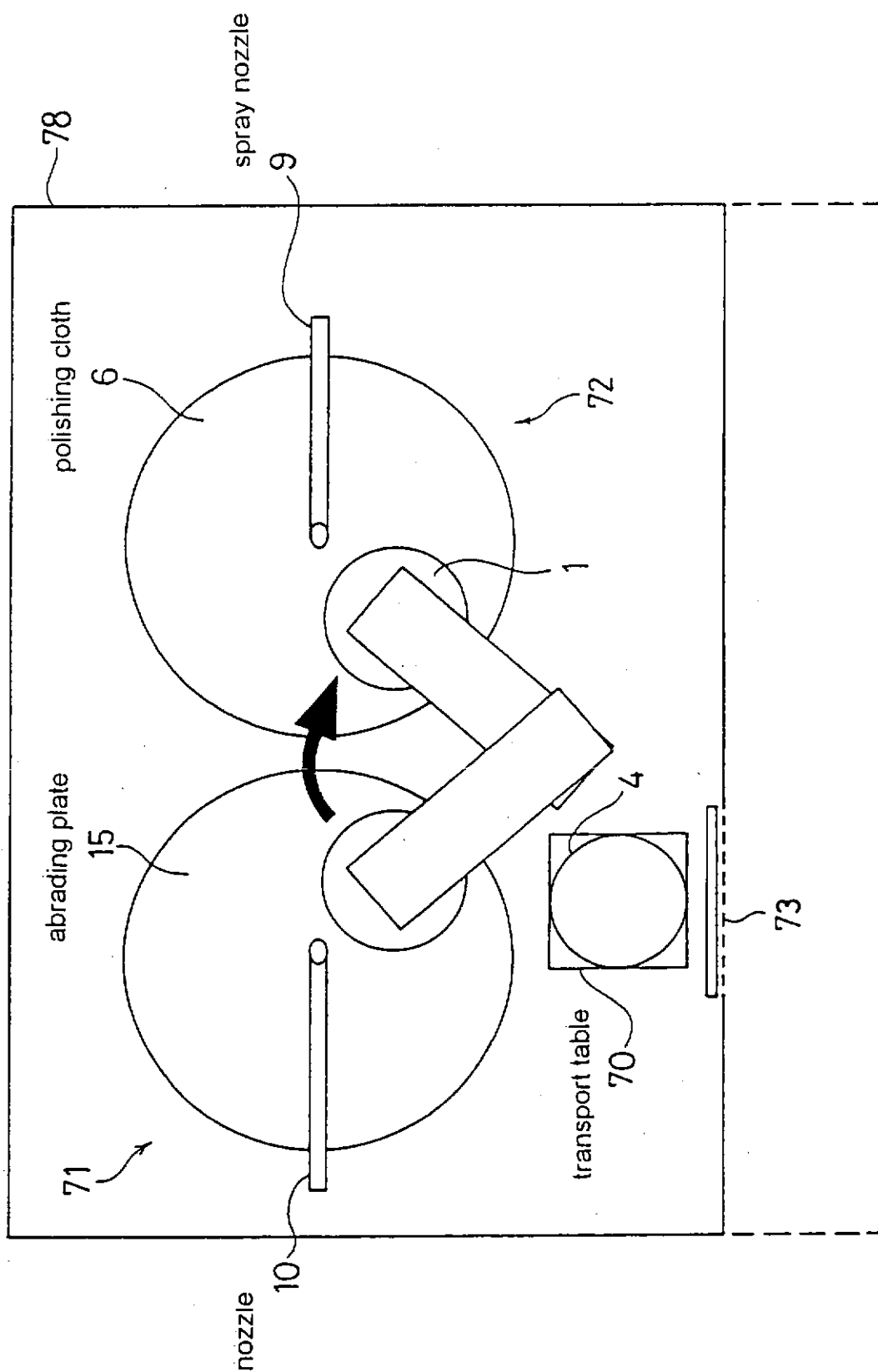


FIG. 27



22

FIG. 28

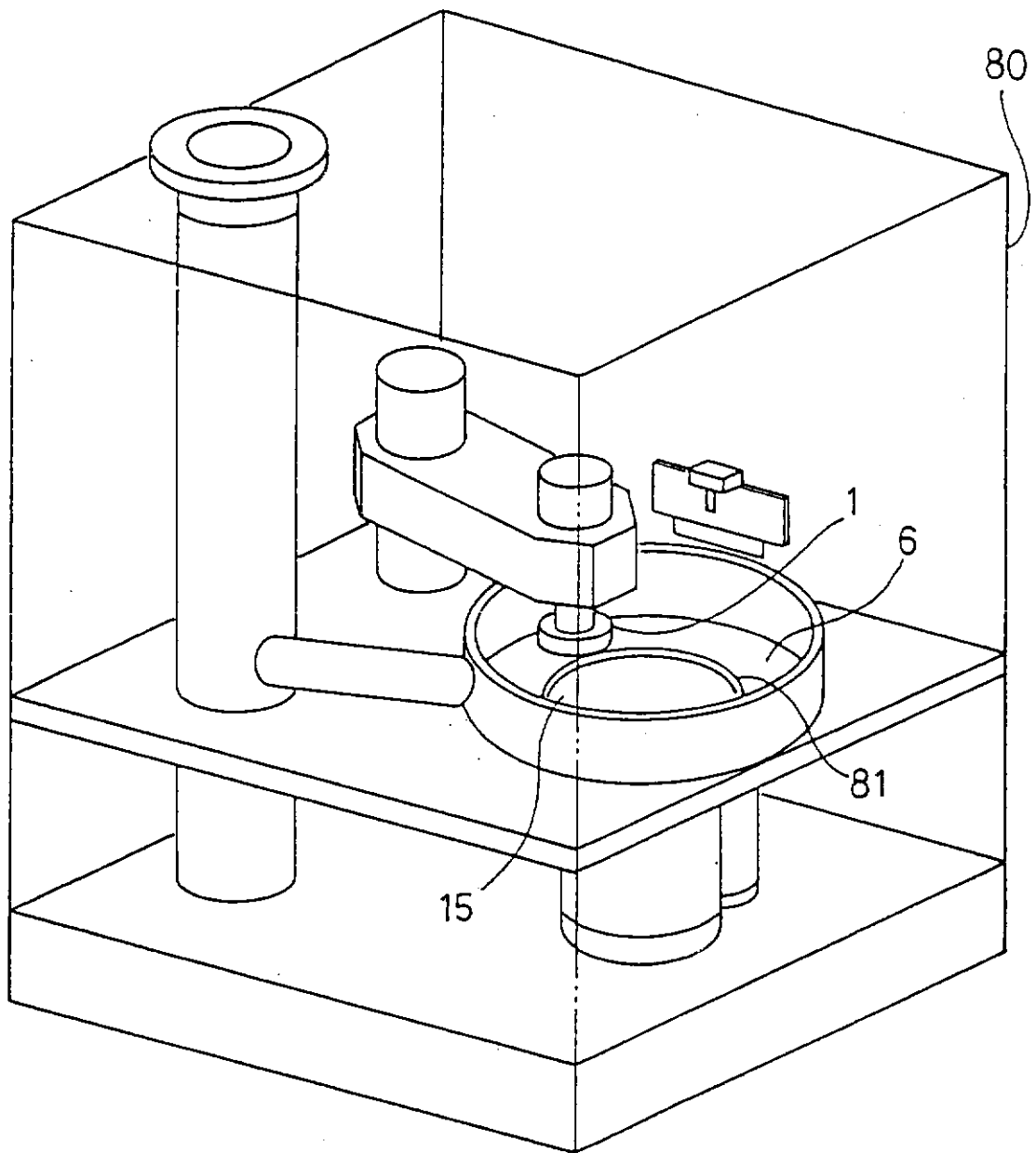


FIG. 29

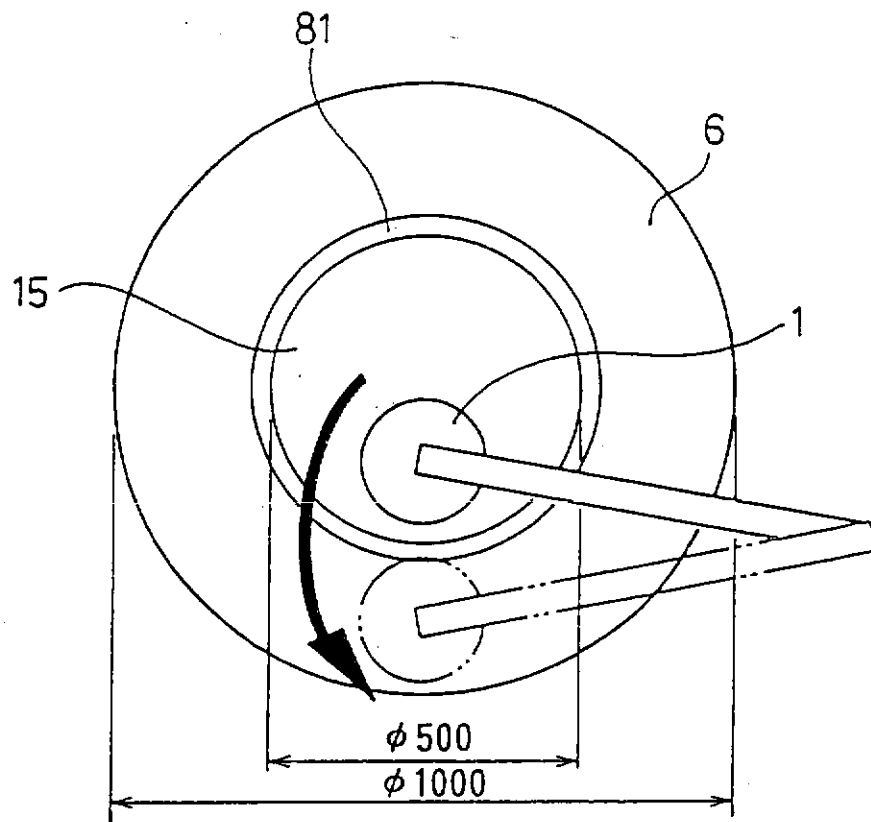


FIG. 30

