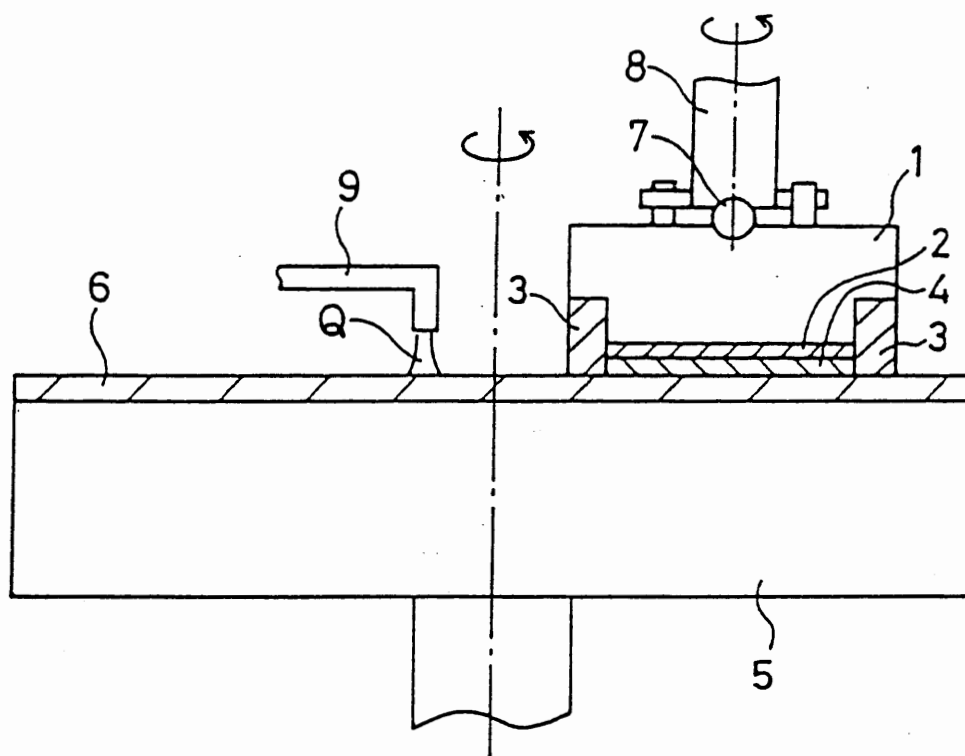


1

FIG. 1



2

FIG. 2

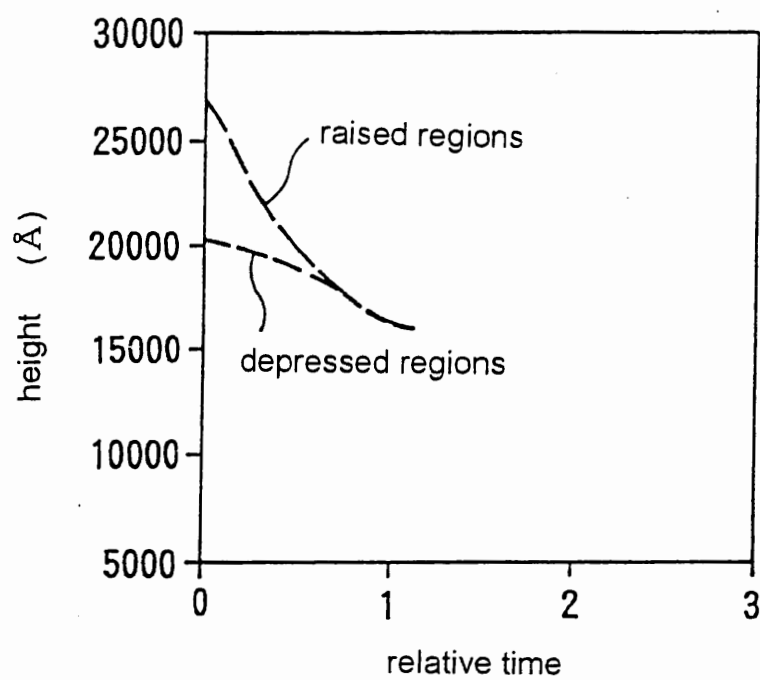
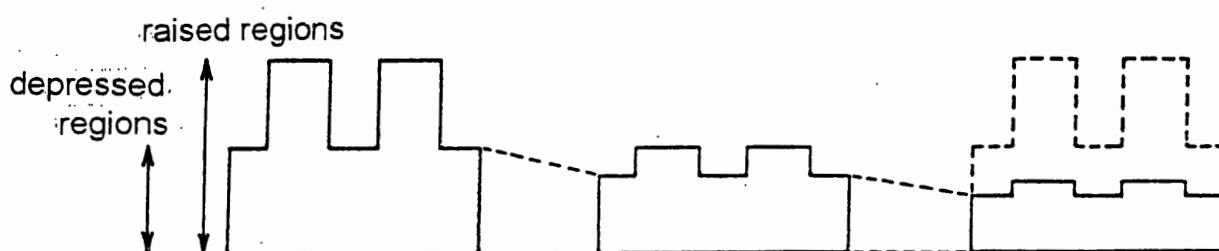


FIG. 3A

FIG. 3B

FIG. 3C



3  
FIG. 4A

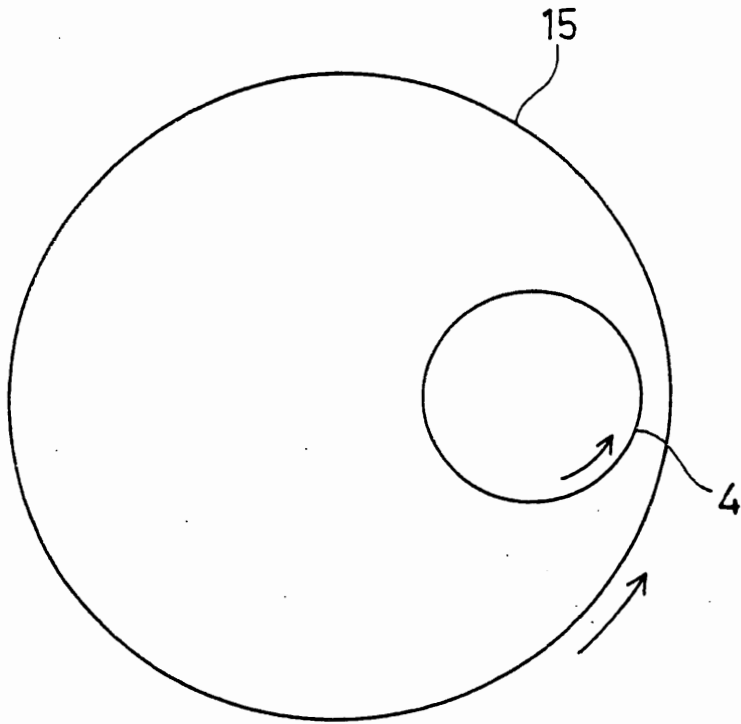
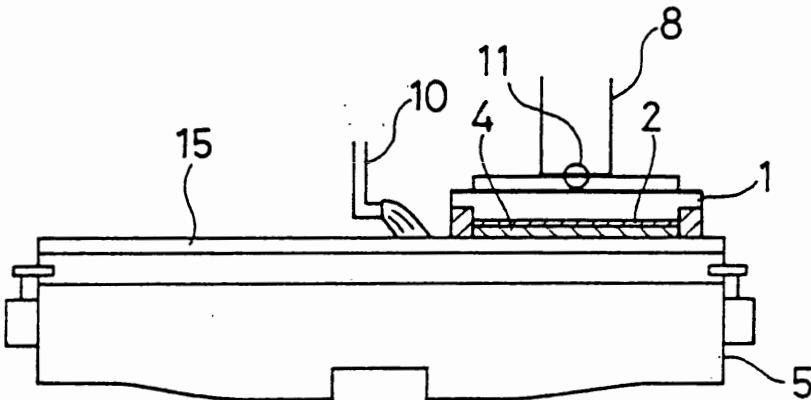
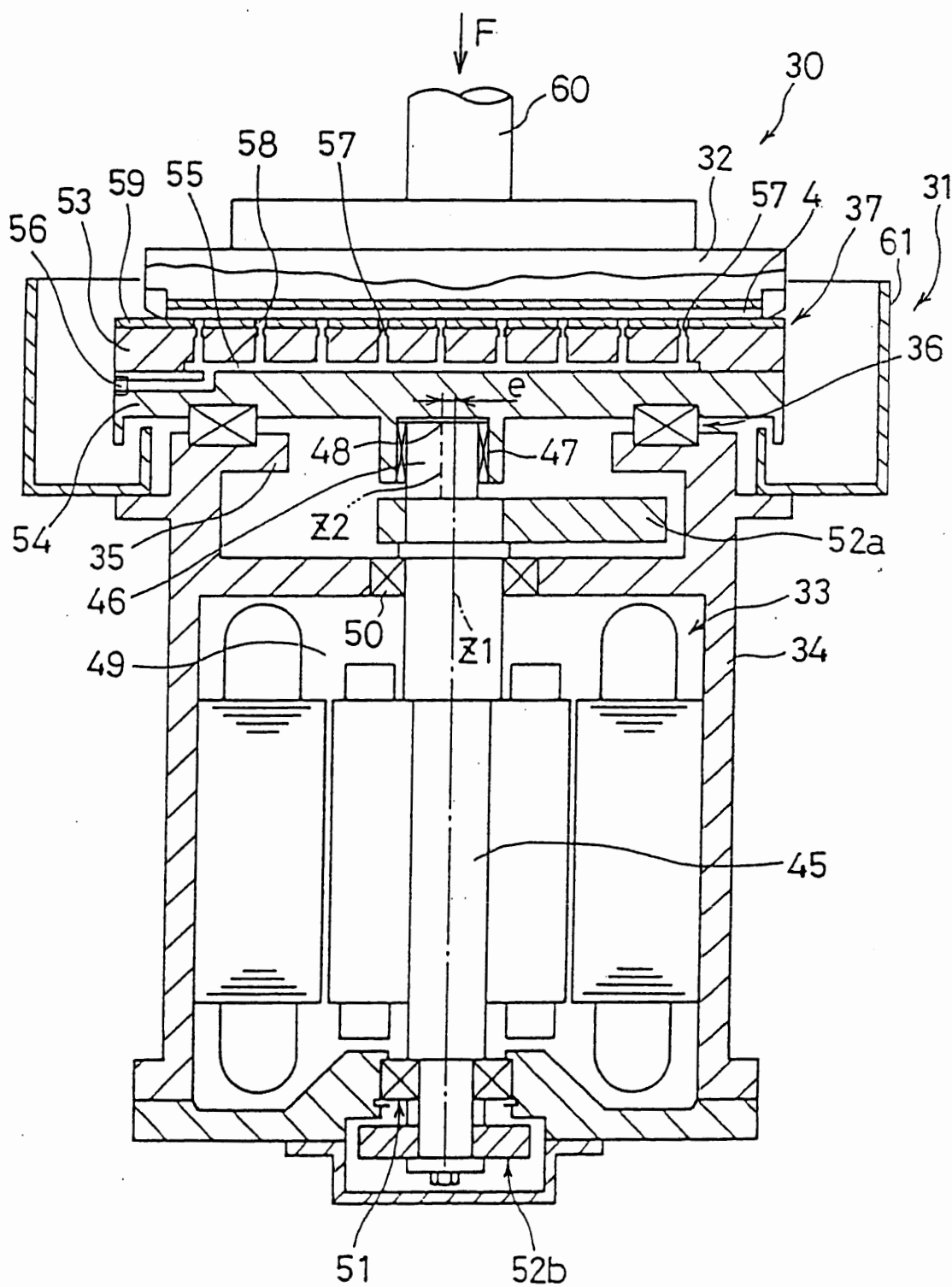


FIG. 4B



4

FIG. 5



5

FIG. 6A

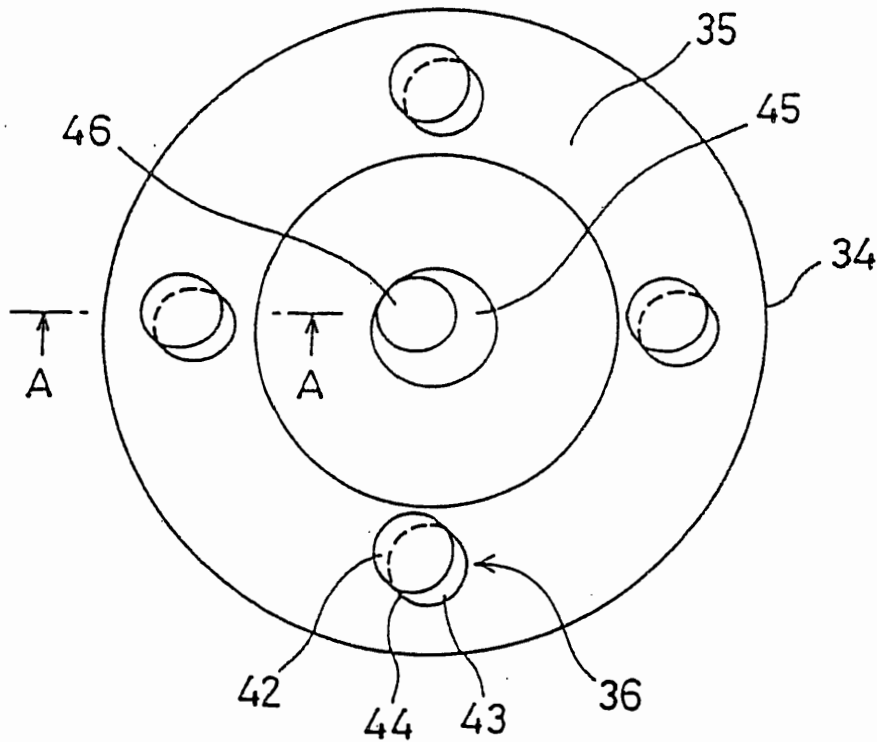
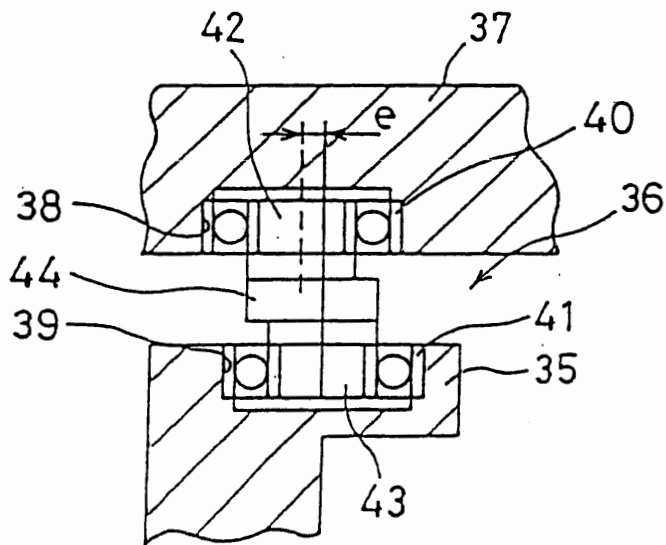


FIG. 6B



6

FIG. 7A

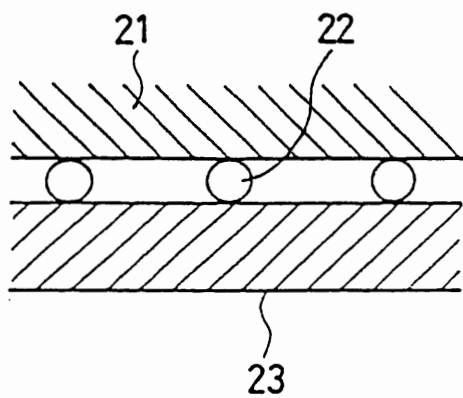


FIG. 7B

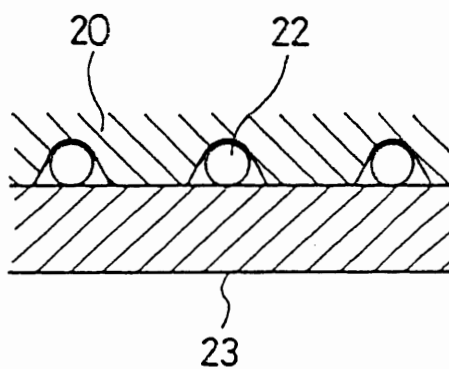


FIG. 8A

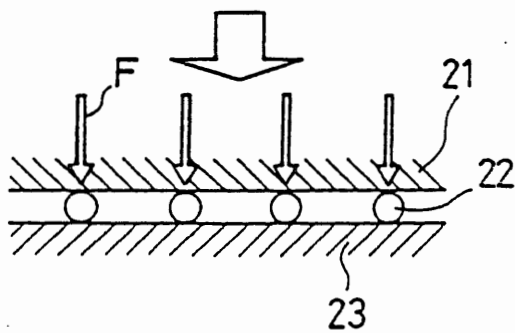
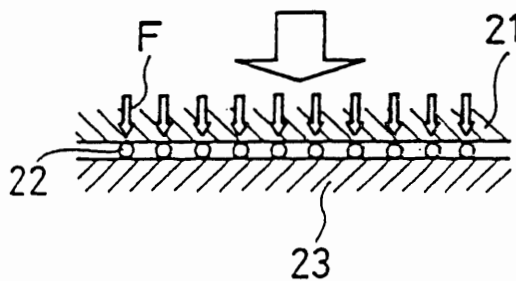
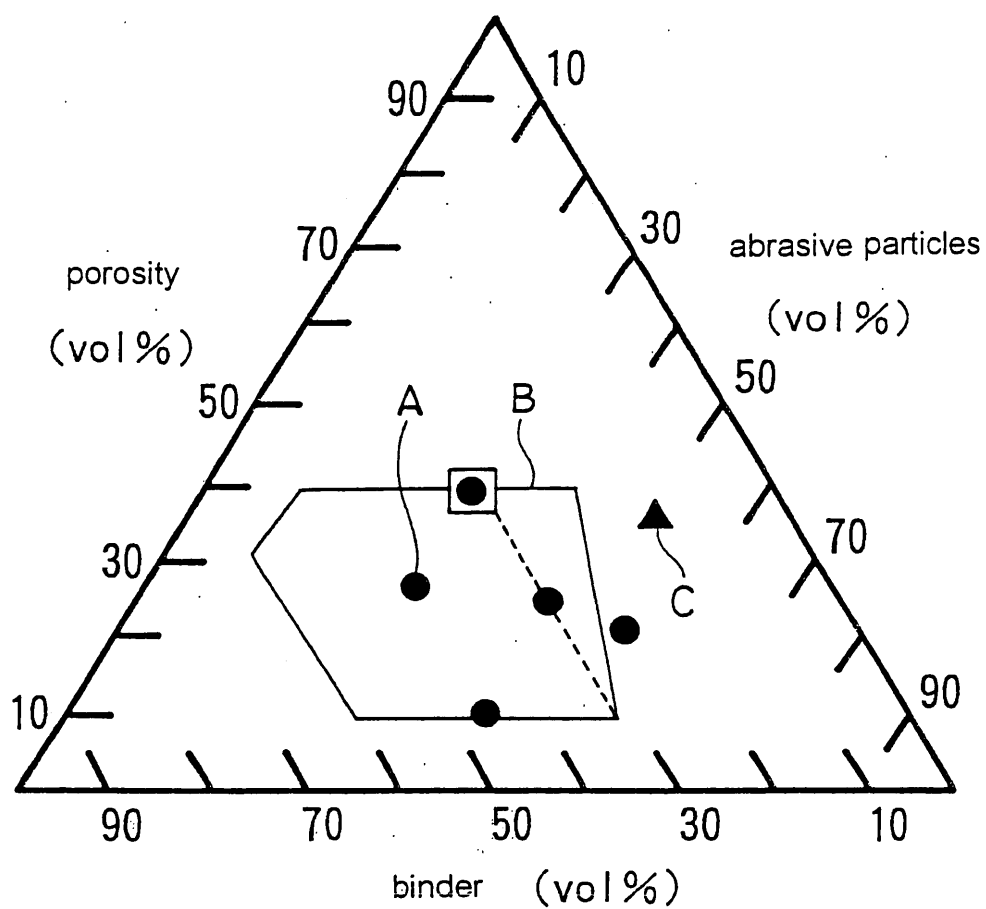


FIG. 8B



7

FIG. 9



8

FIG. 10

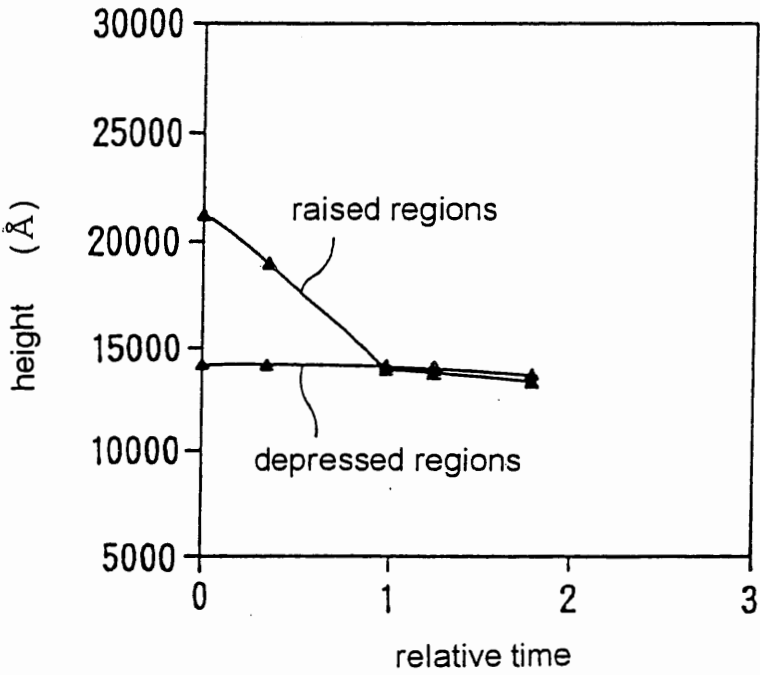
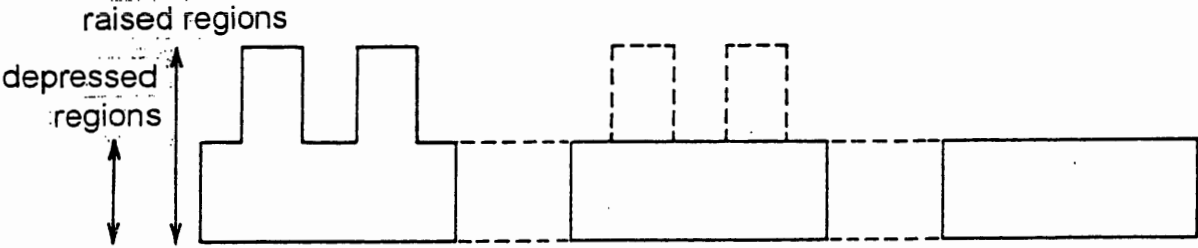


FIG. 11A FIG. 11B FIG. 11C



9

*F I G. 12*

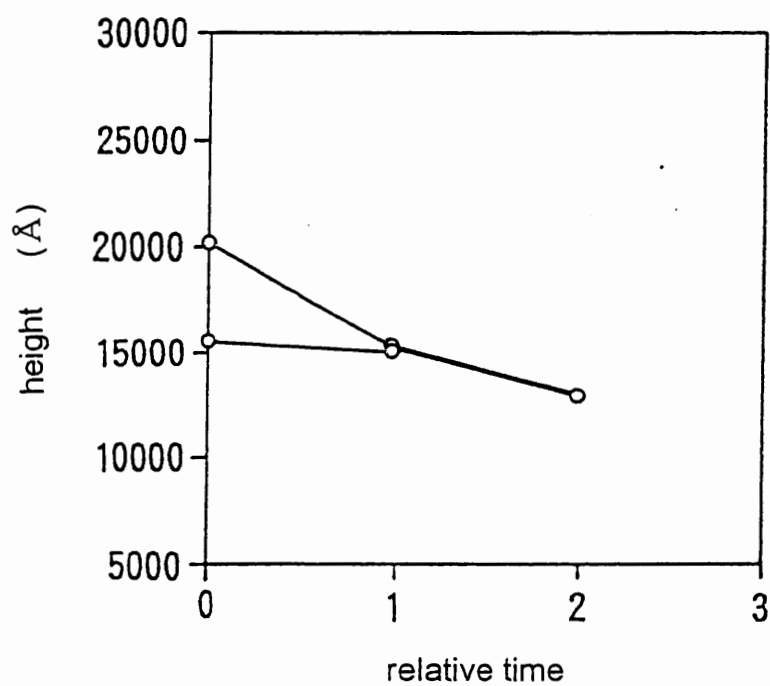
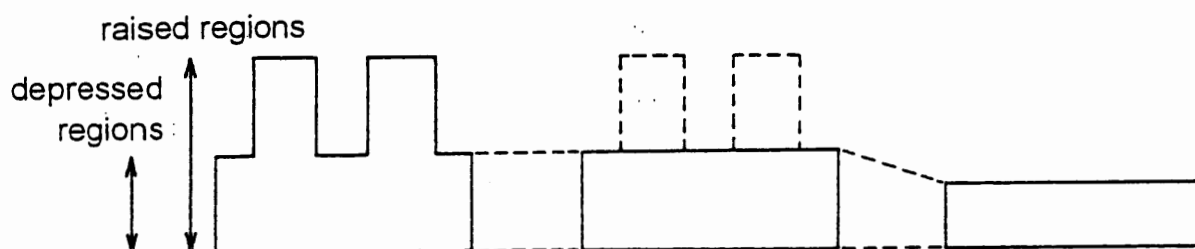
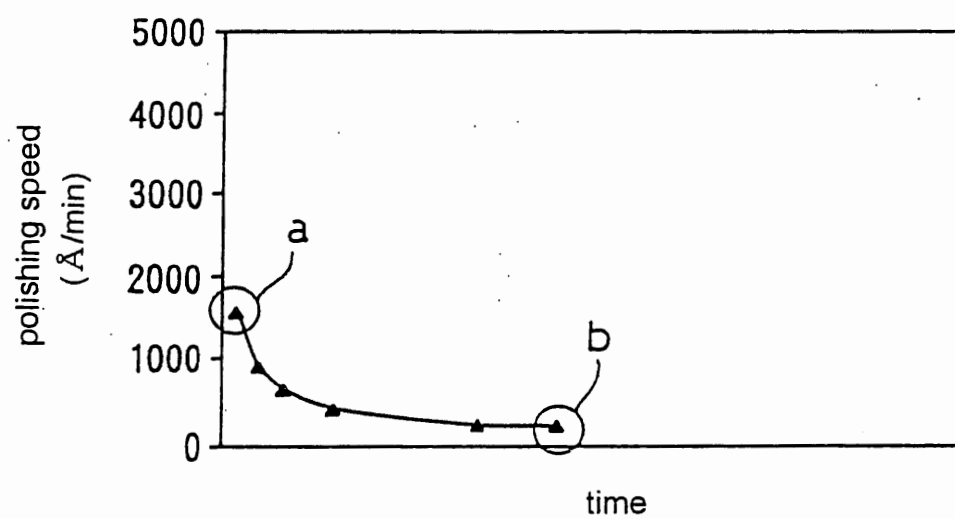


FIG. 13A    FIG. 13B    FIG. 13C



10

FIG. 14



11

FIG. 15A

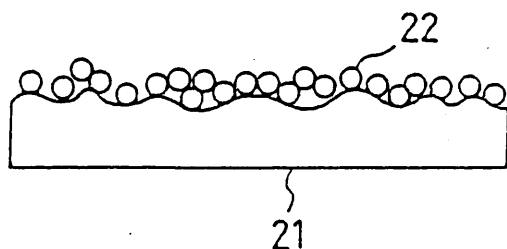


FIG. 15B

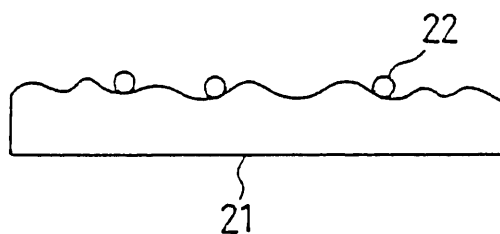
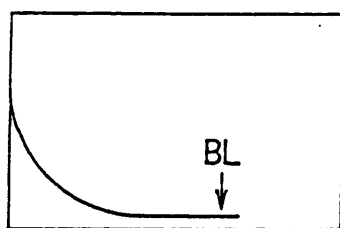


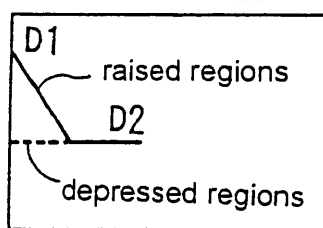
FIG. 16A

transitions  
in polishing speed



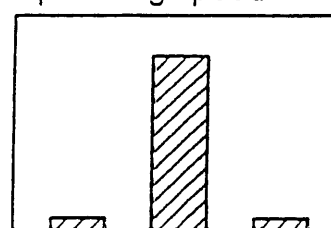
polishing time

transitions  
in film thickness



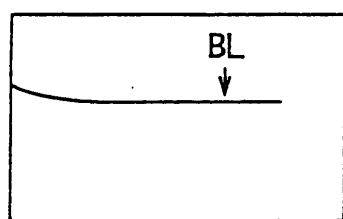
polishing time

comparison of  
polishing speed

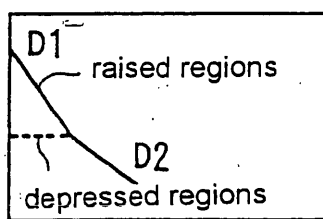


BL D1 D2

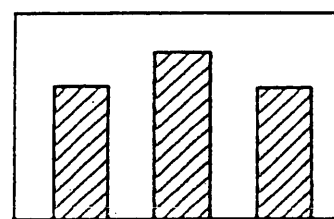
FIG. 16B



polishing time

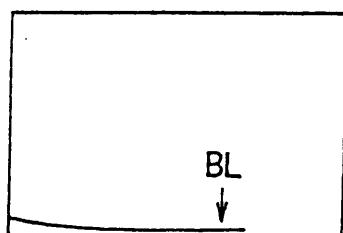


polishing time

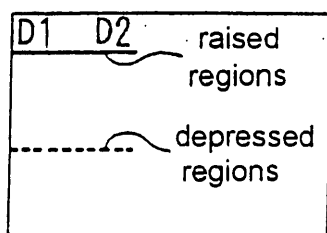


BL D1 D2

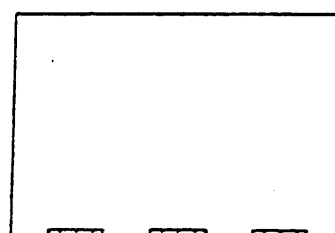
FIG. 16C



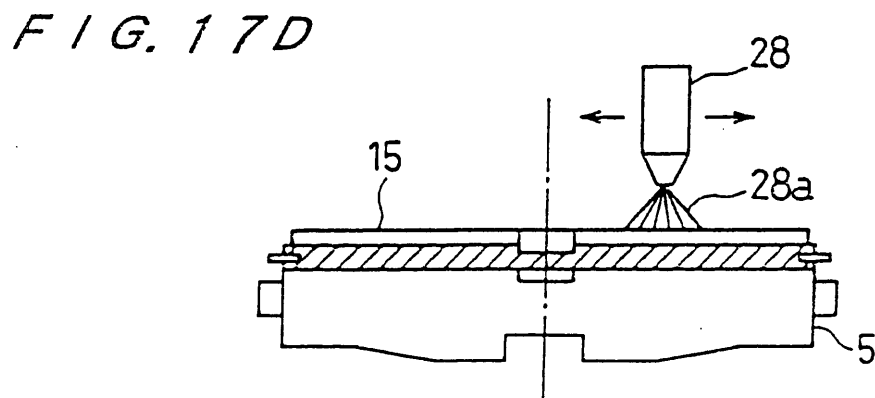
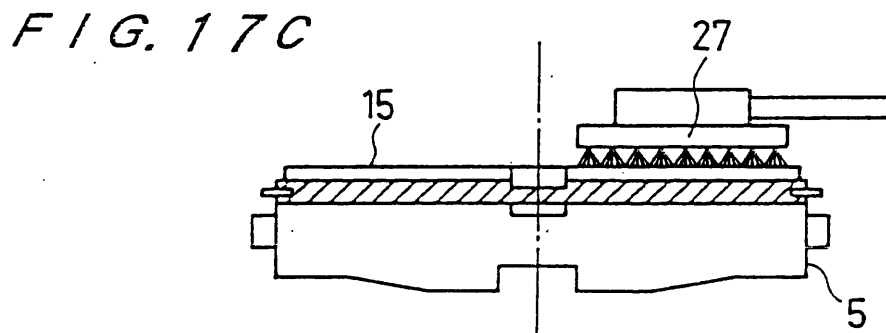
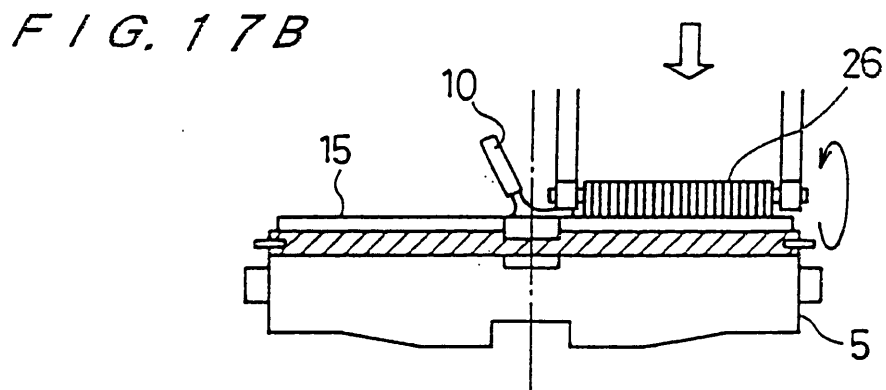
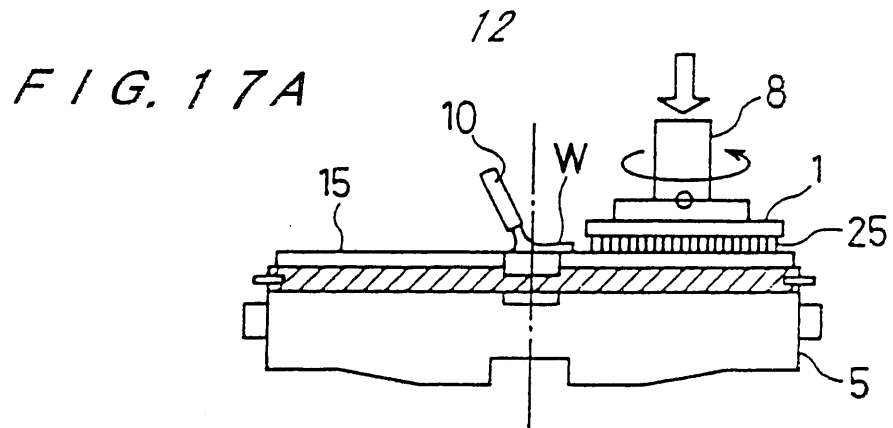
polishing time



polishing time



BL D1 D2



13

FIG. 18A

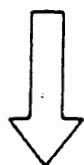
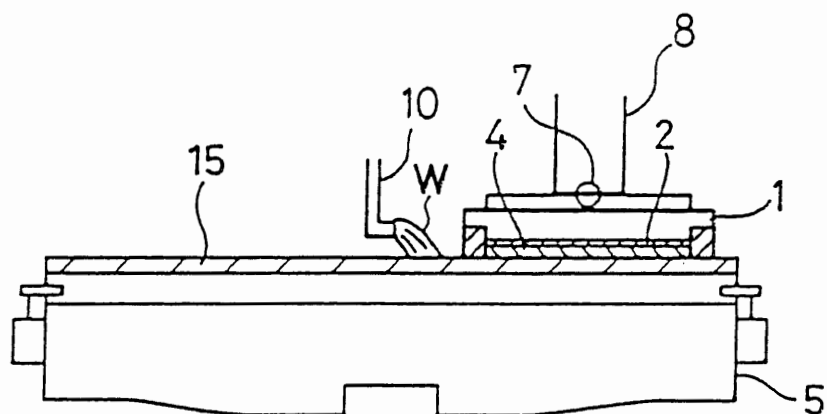
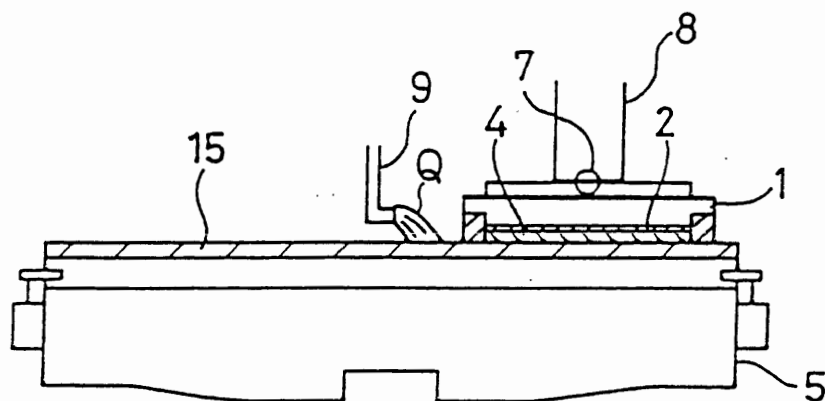


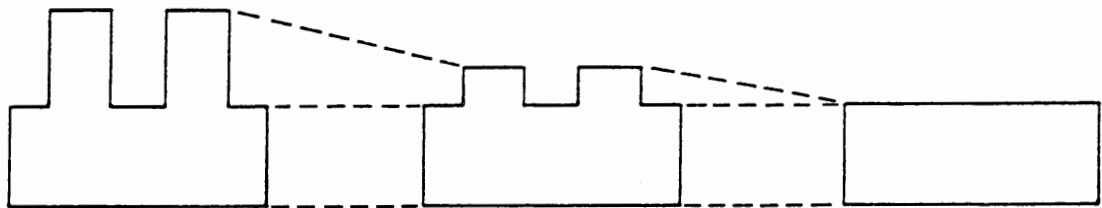
FIG. 18B



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FIG. 19

the first stage (planarization)



the second stage  
(surface material removal)

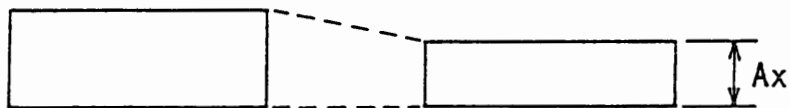


FIG. 20A

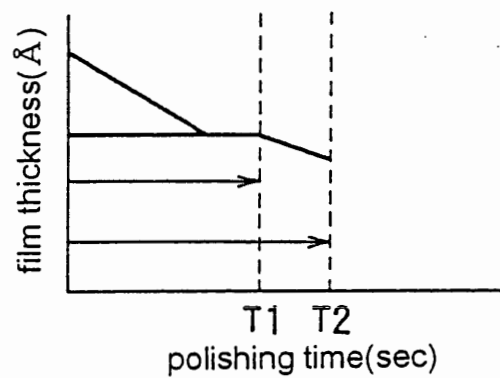


FIG. 20B

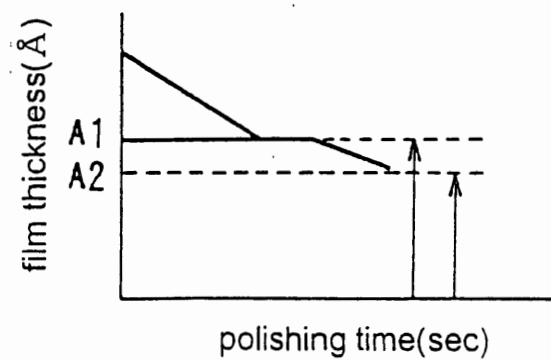
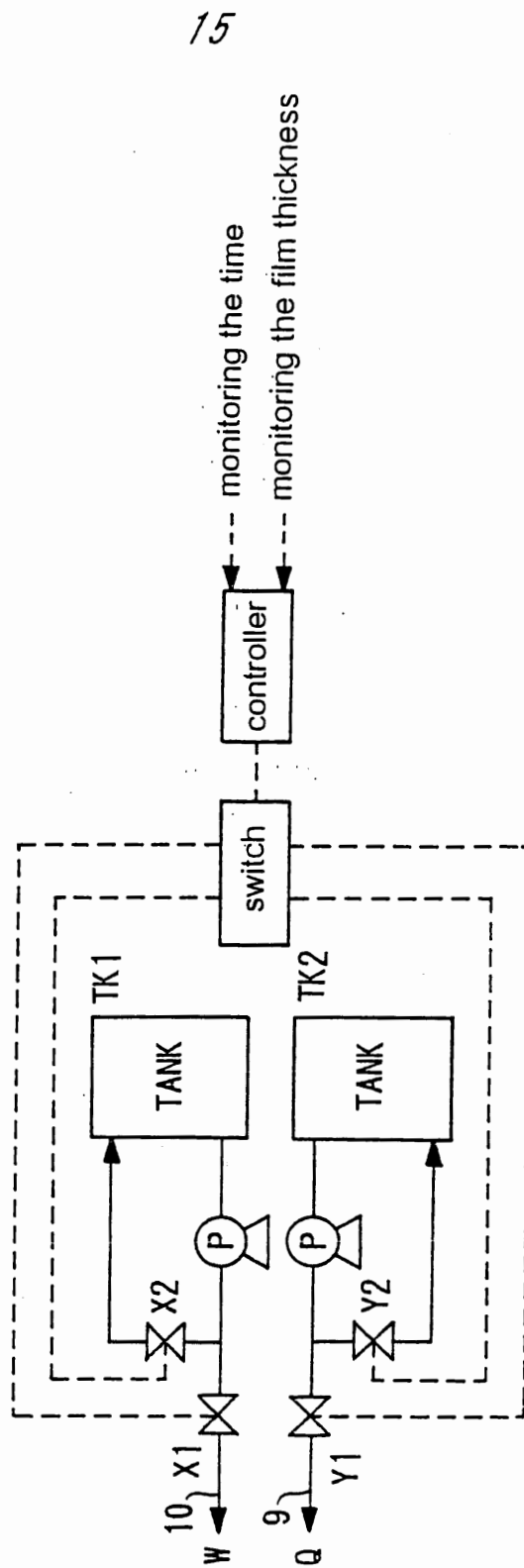
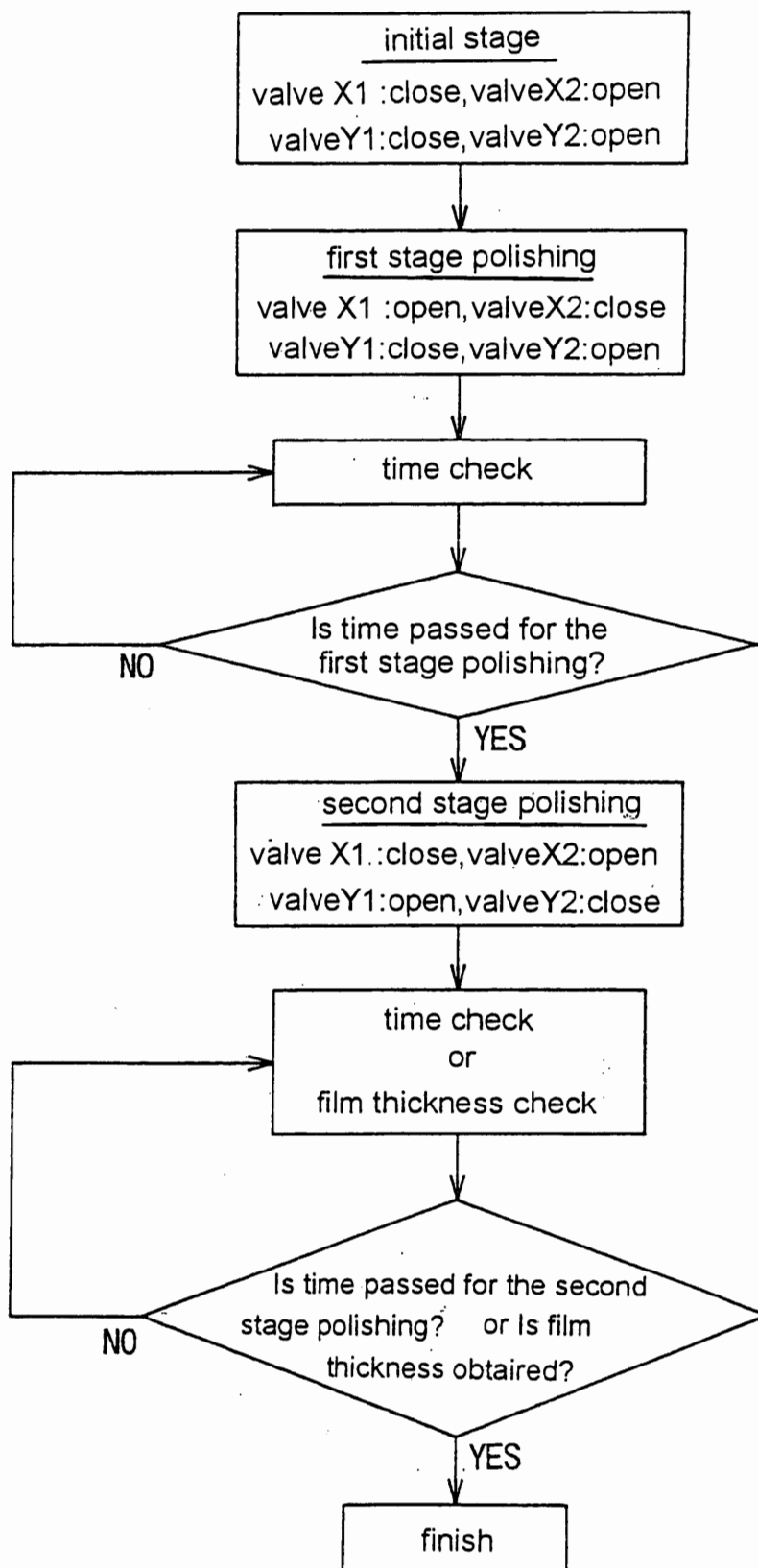


FIG. 21



16

FIG. 22



17

FIG. 23A

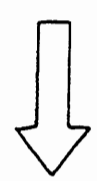
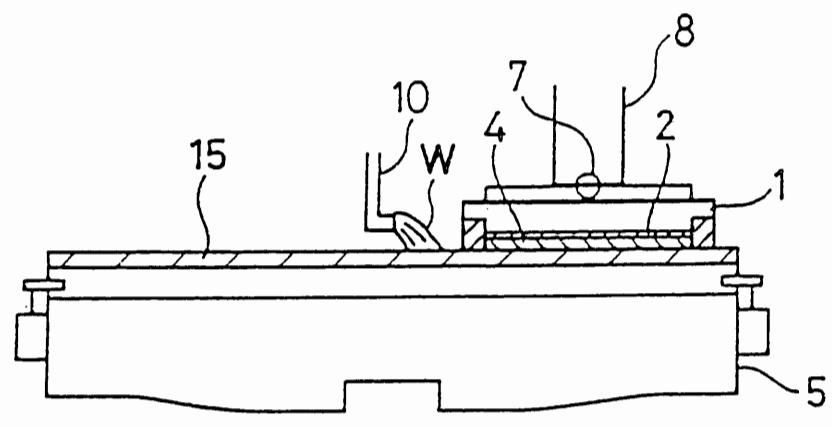
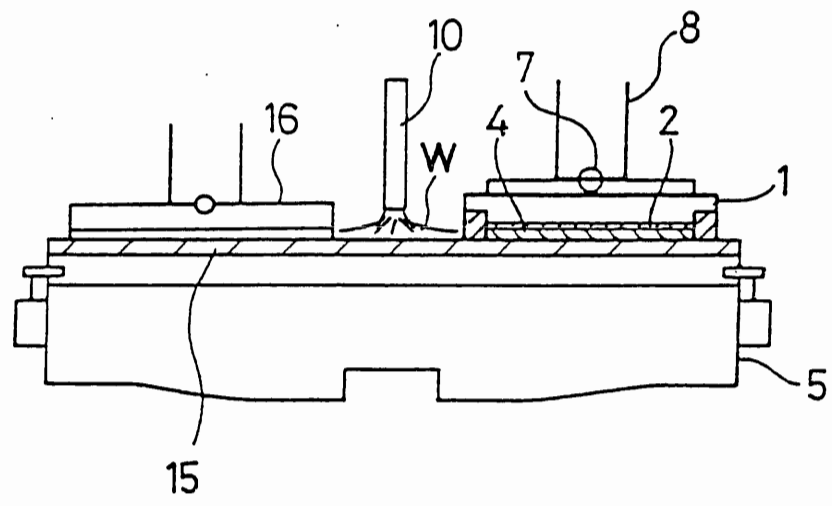
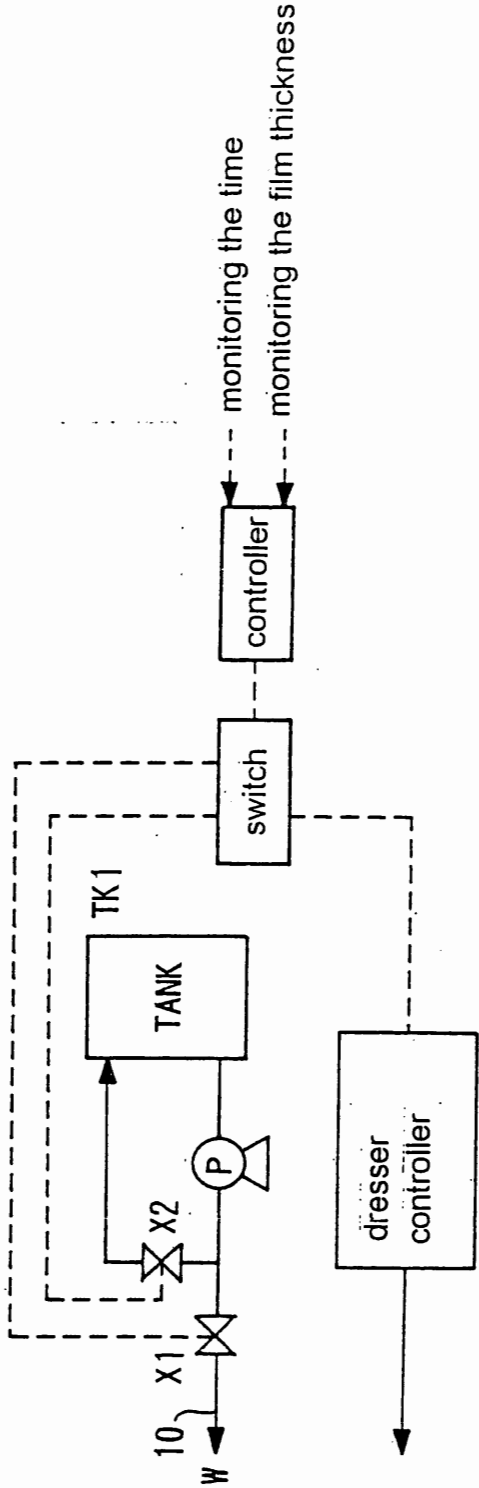


FIG. 23B



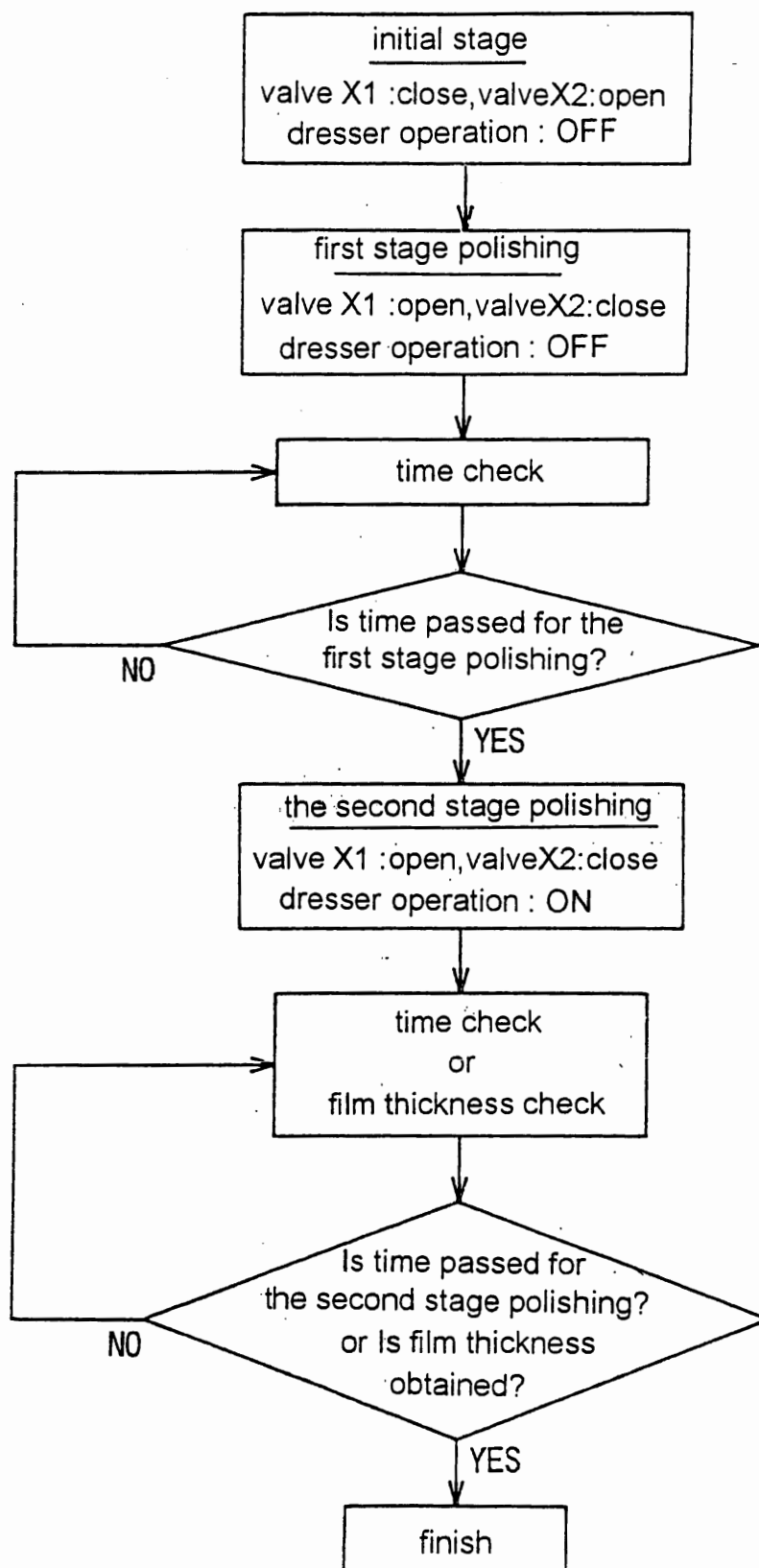
18

FIG. 24



19

FIG. 25



20

FIG. 26A

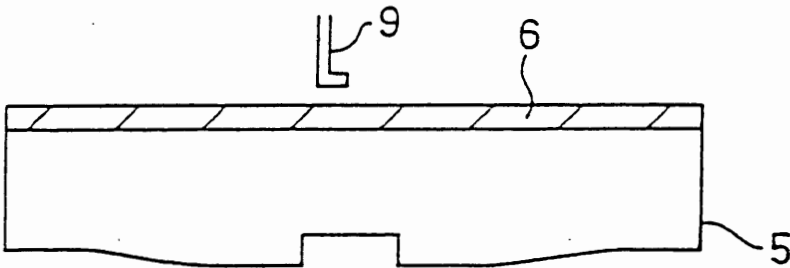
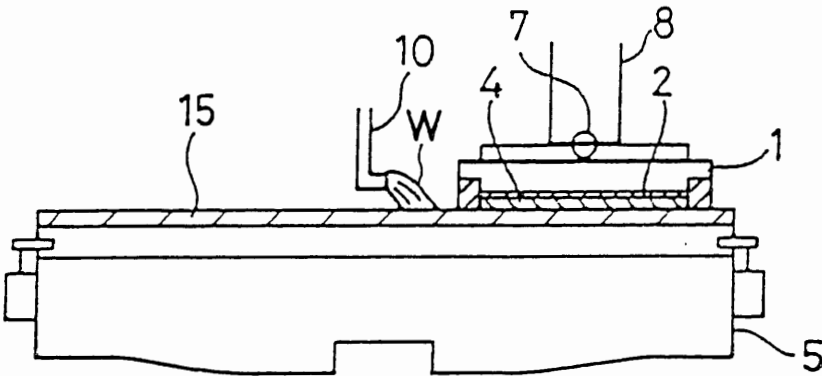
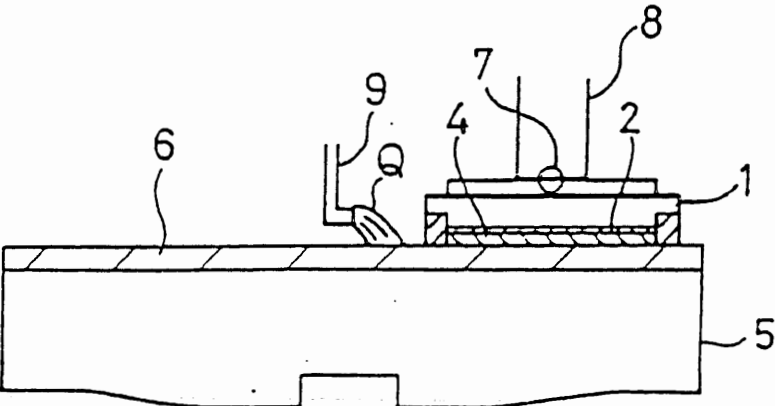
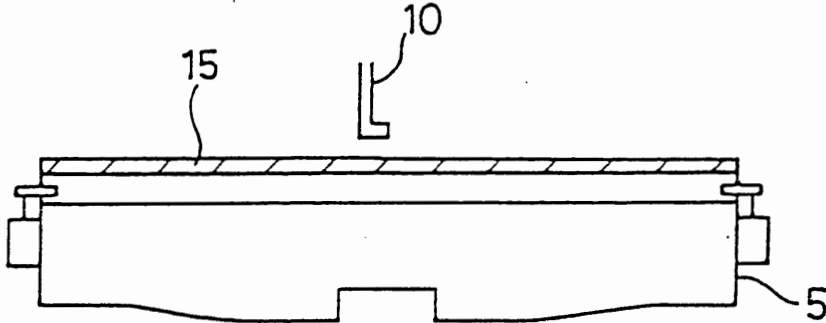
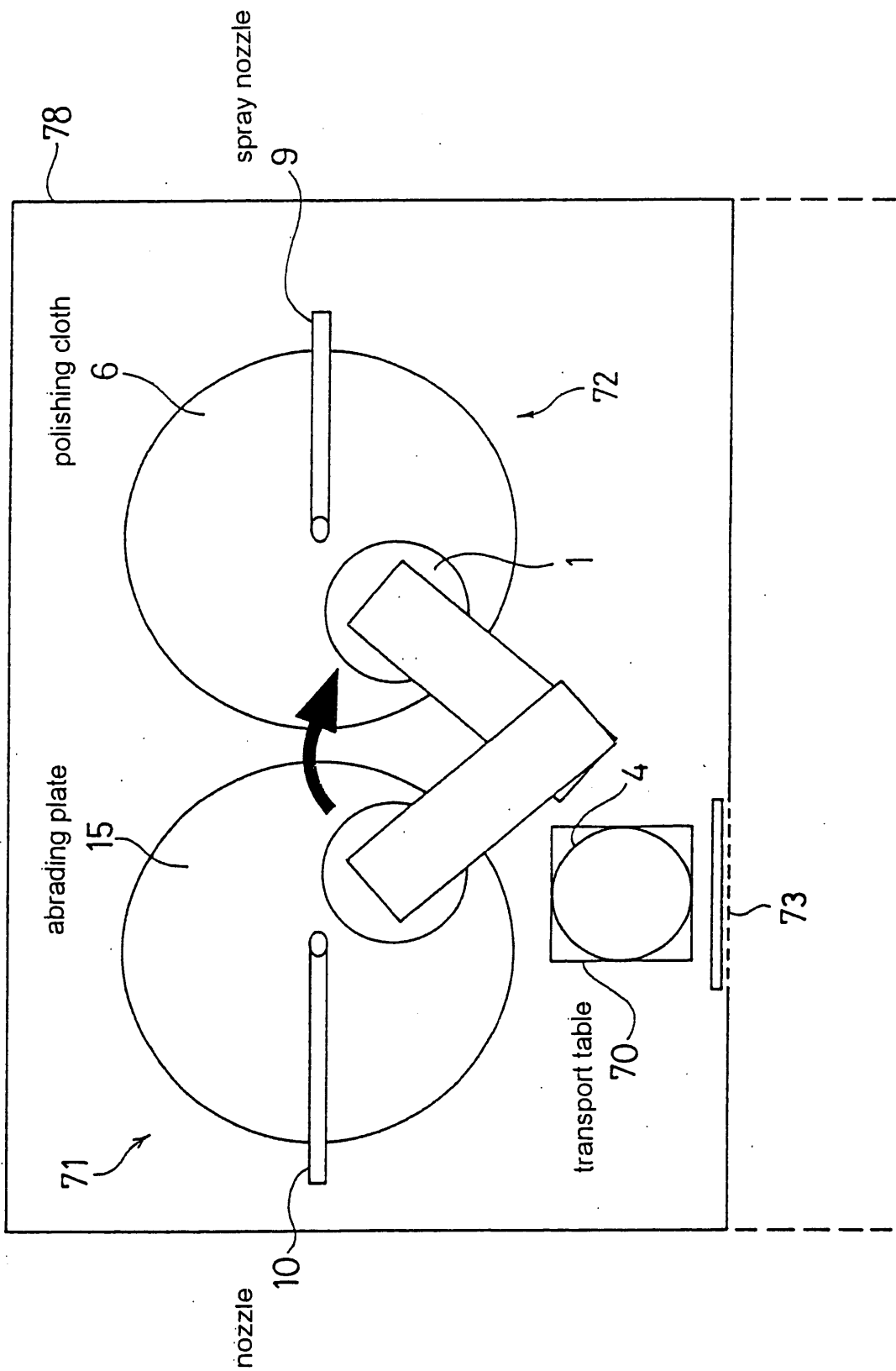


FIG. 26B



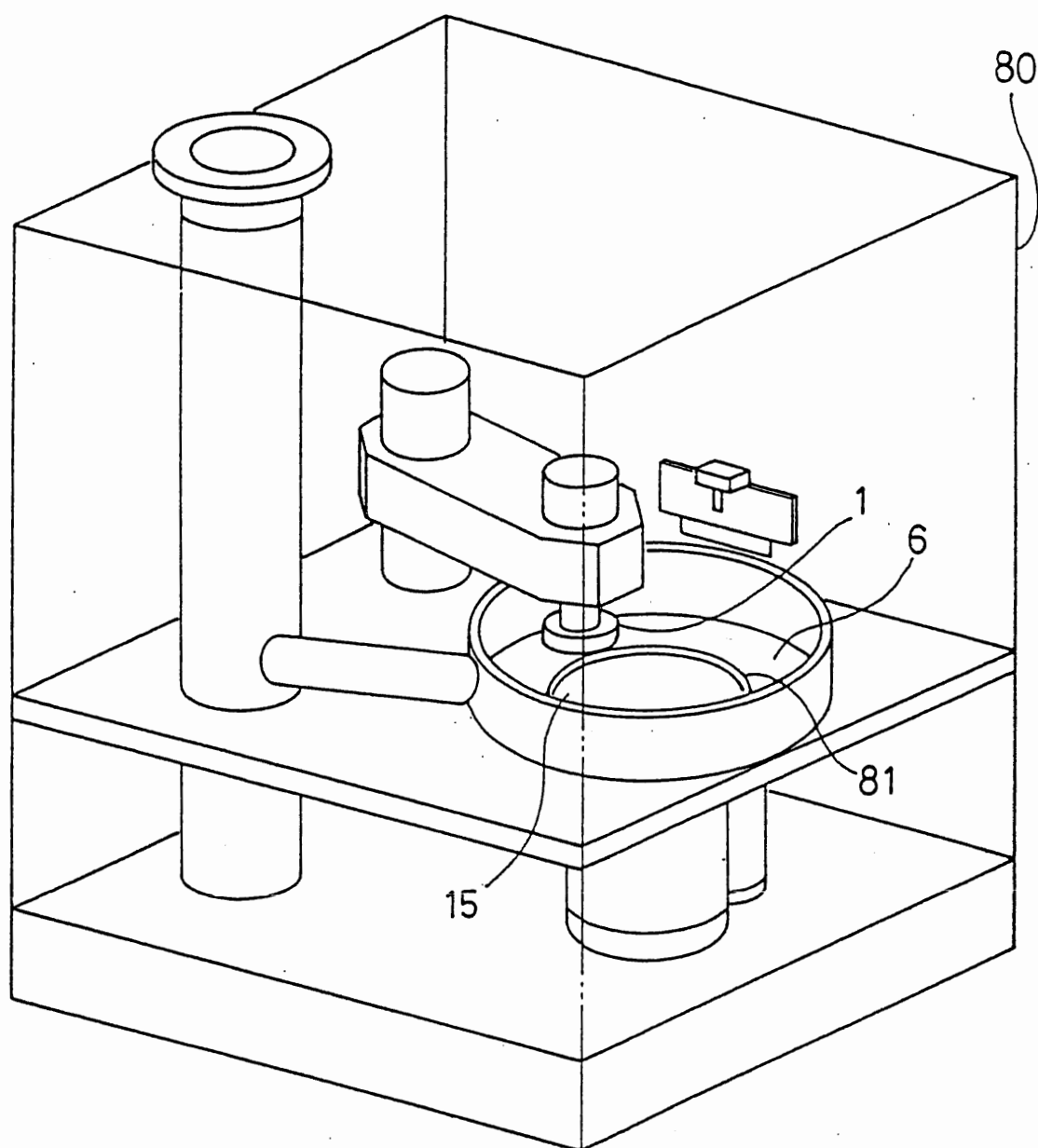
21

FIG. 27



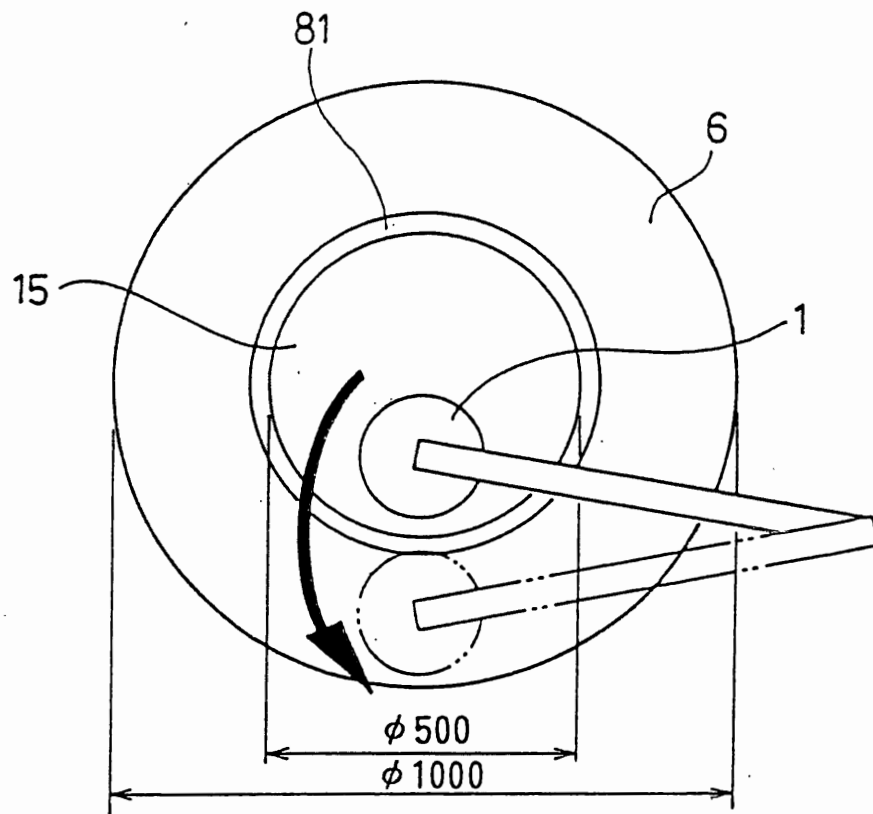
22

FIG. 28



23

FIG. 29



24

FIG. 30

