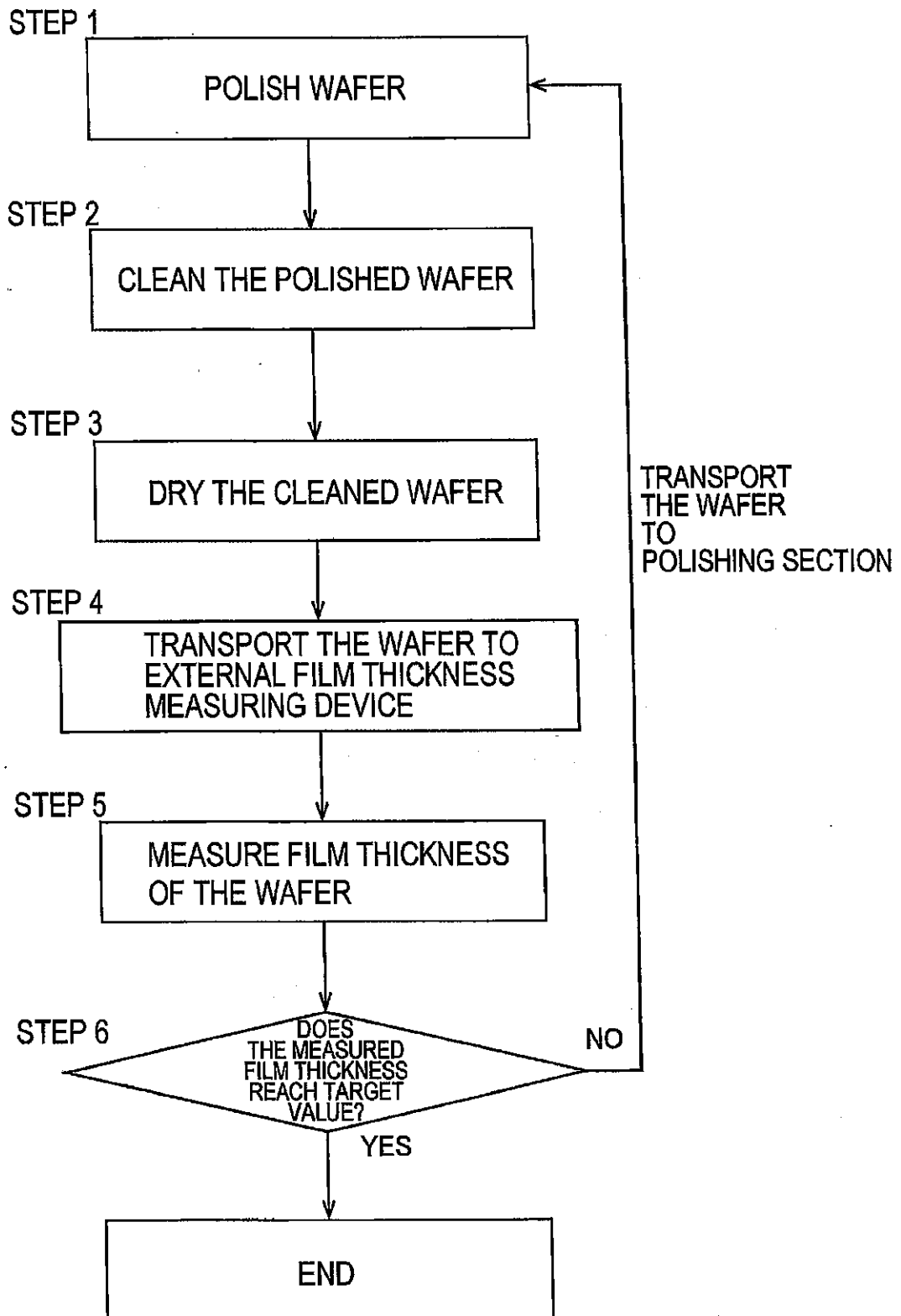


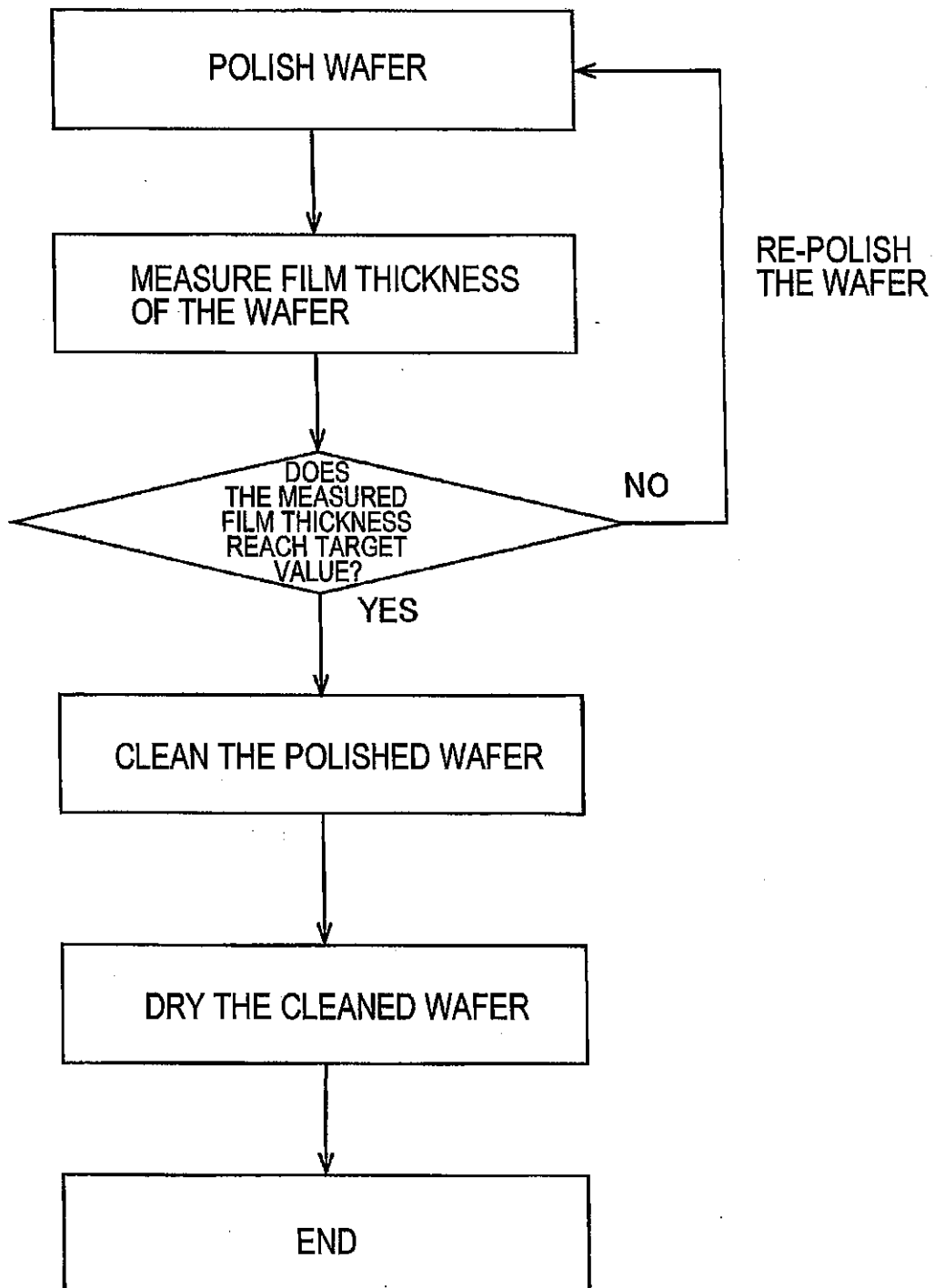
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FIG. 1



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FIG. 2



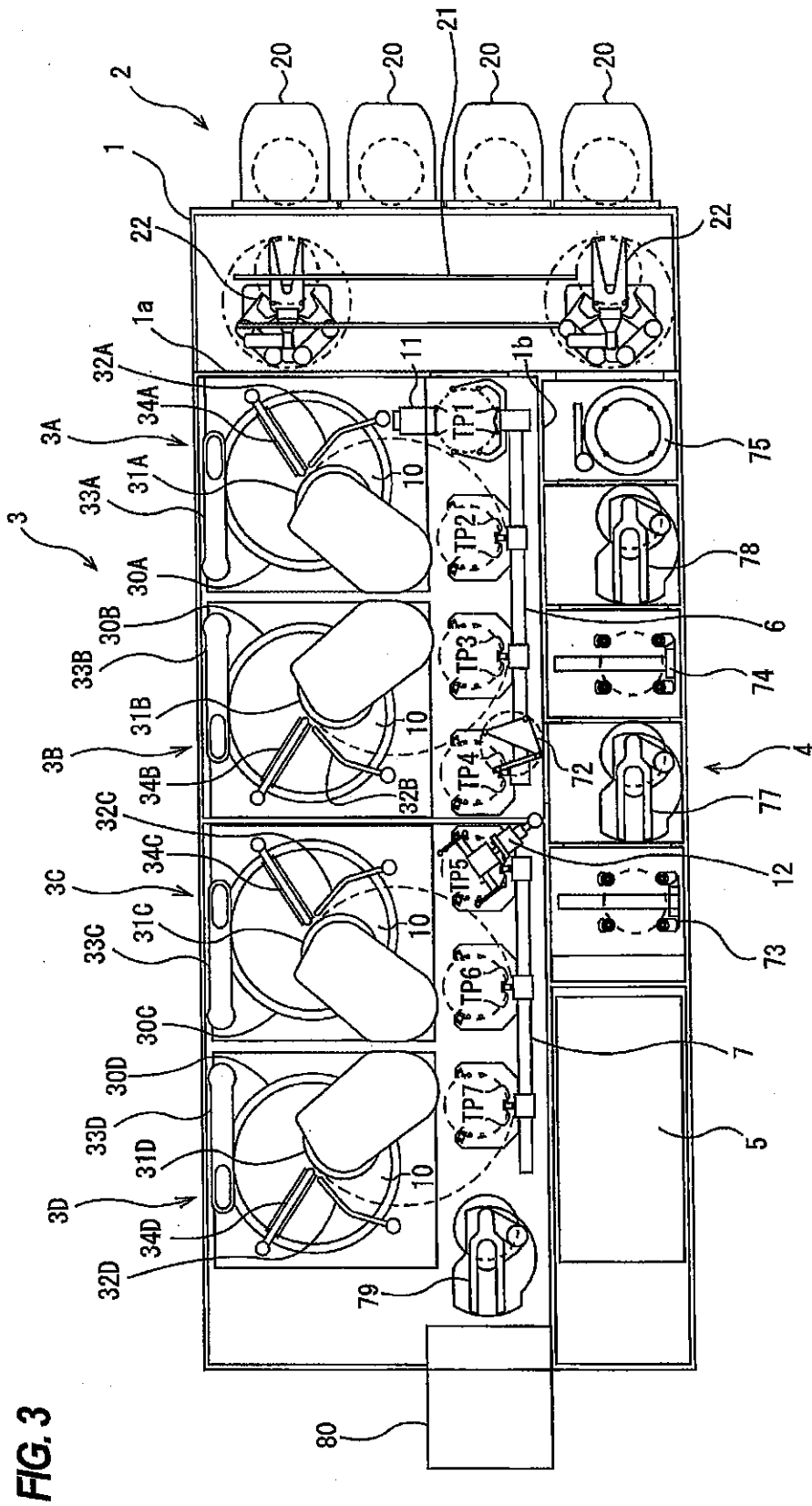
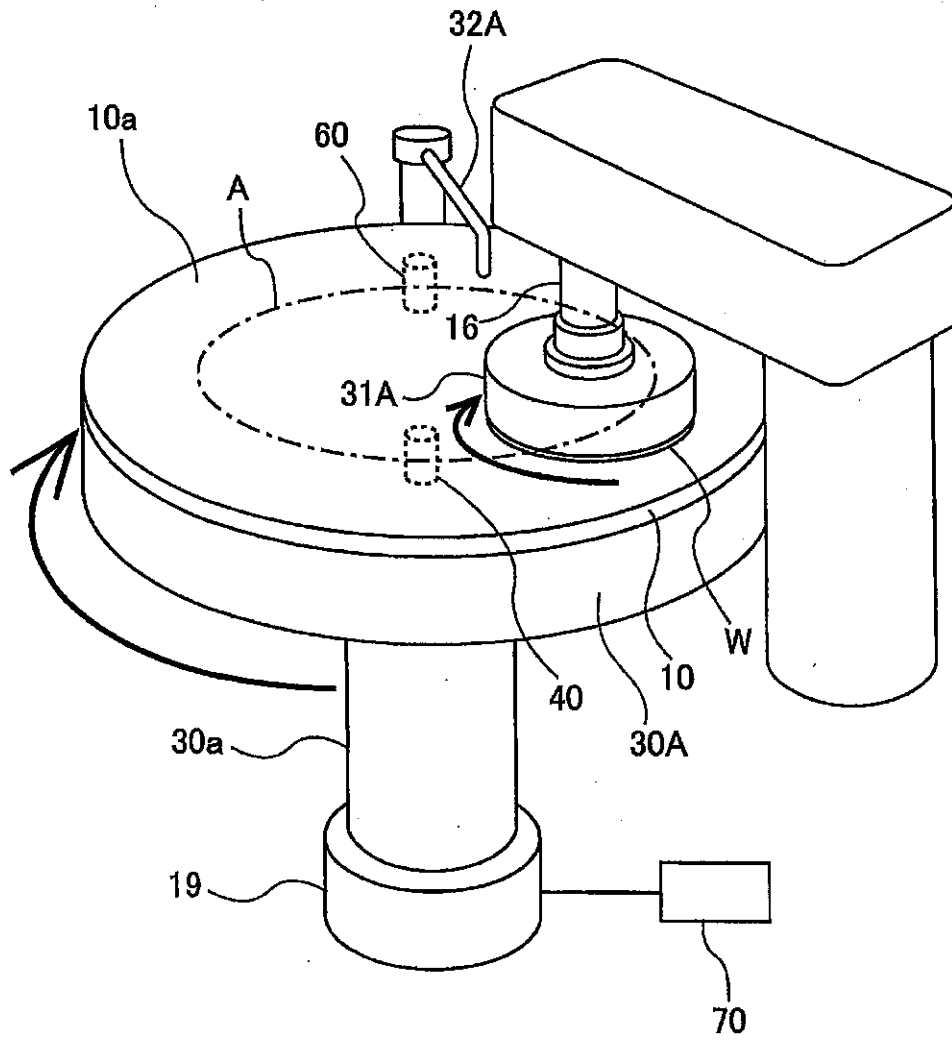


FIG. 3

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FIG. 4



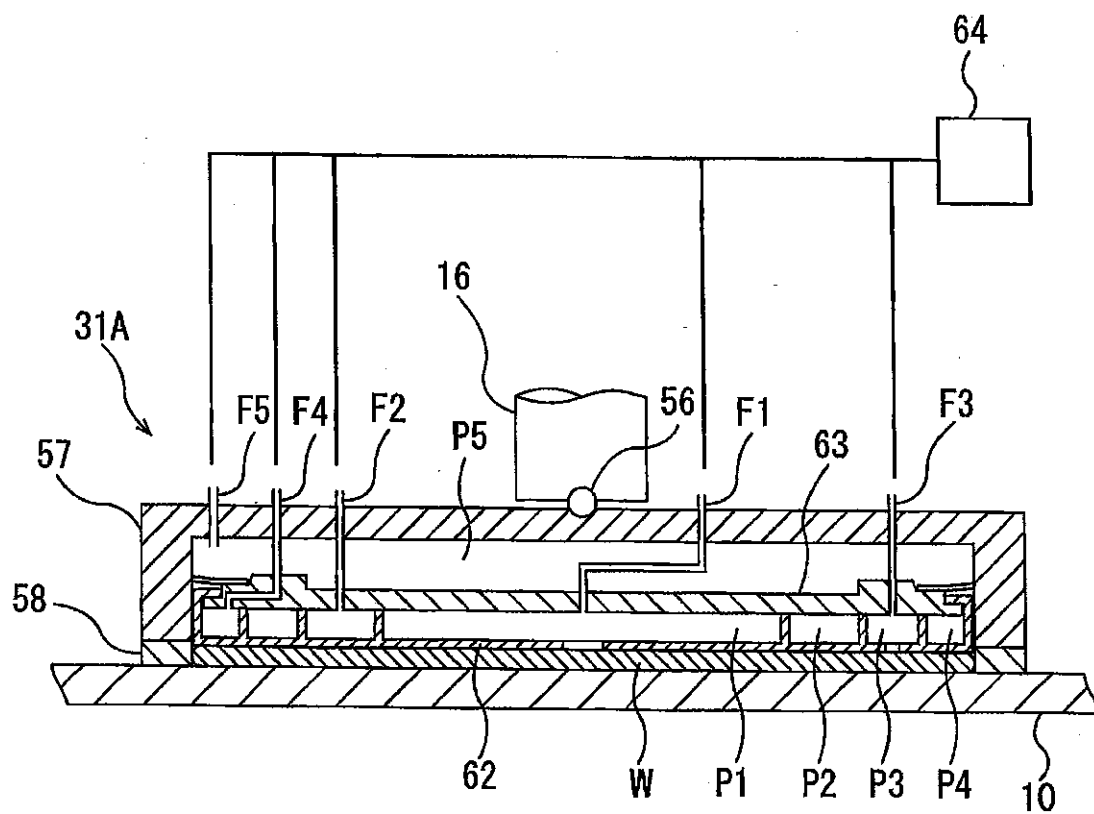


FIG. 6A

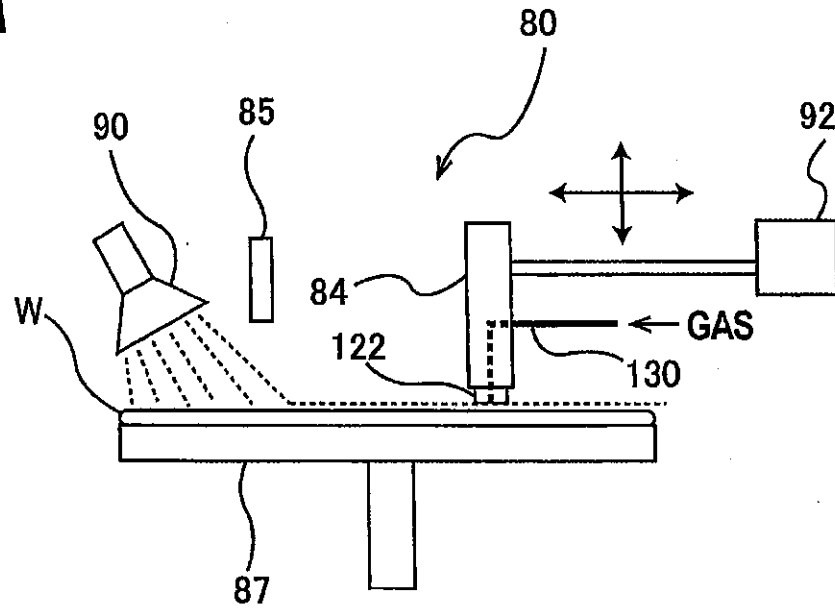
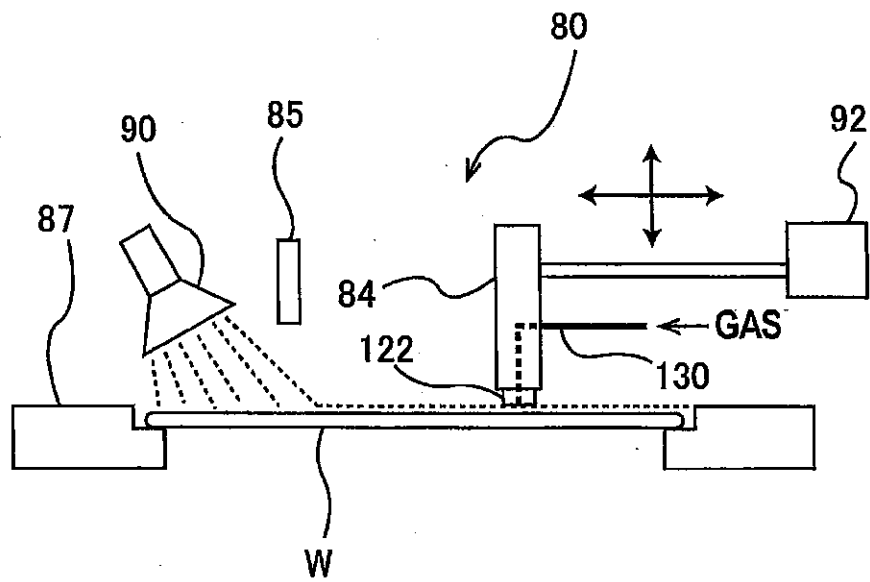
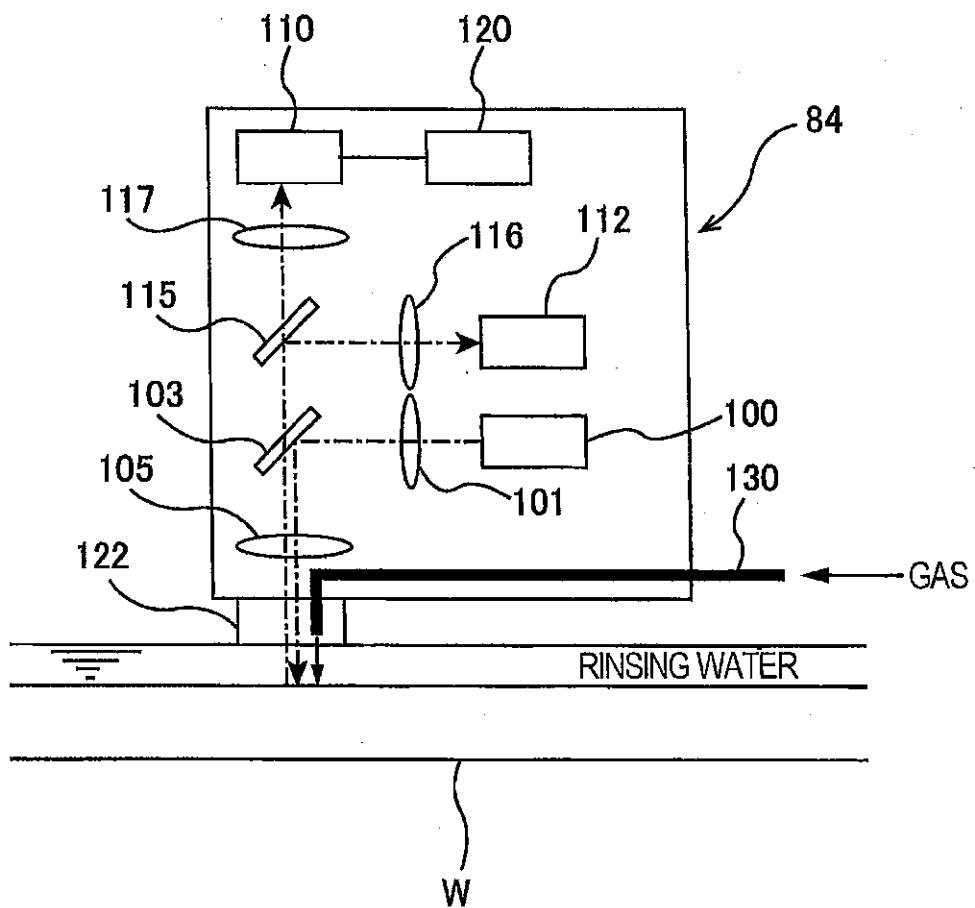


FIG. 6B



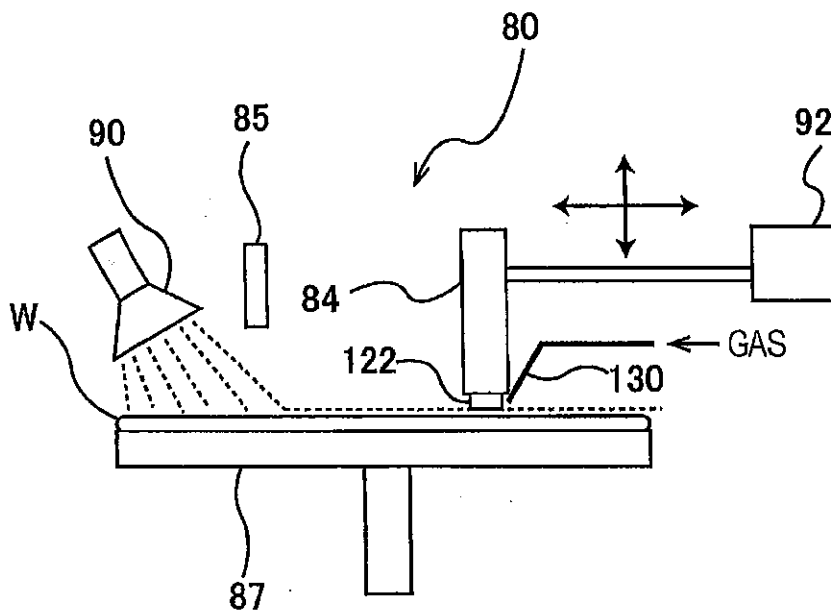
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FIG. 7



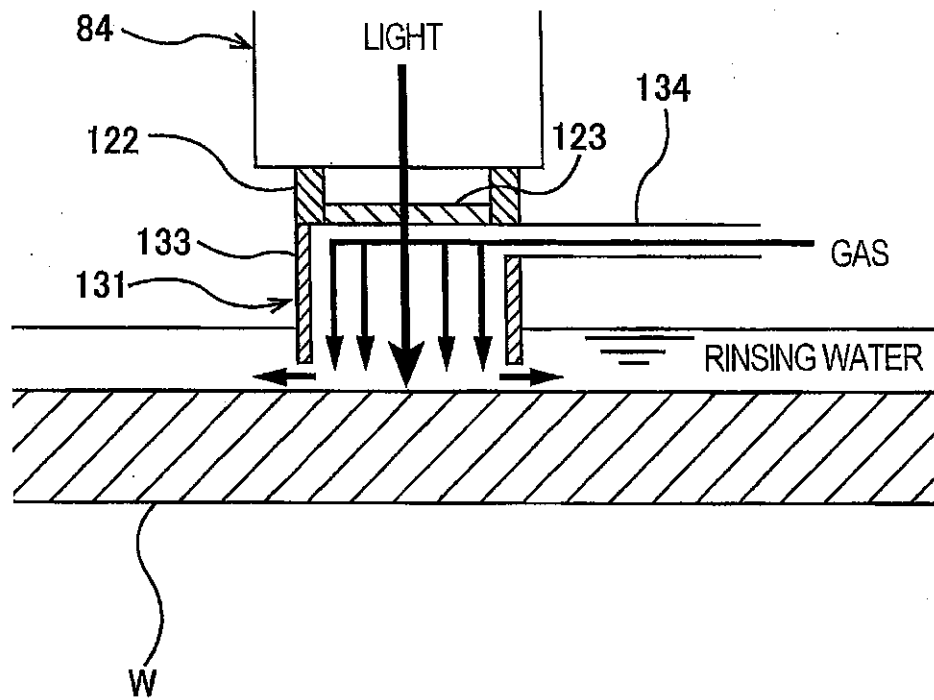
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FIG. 8



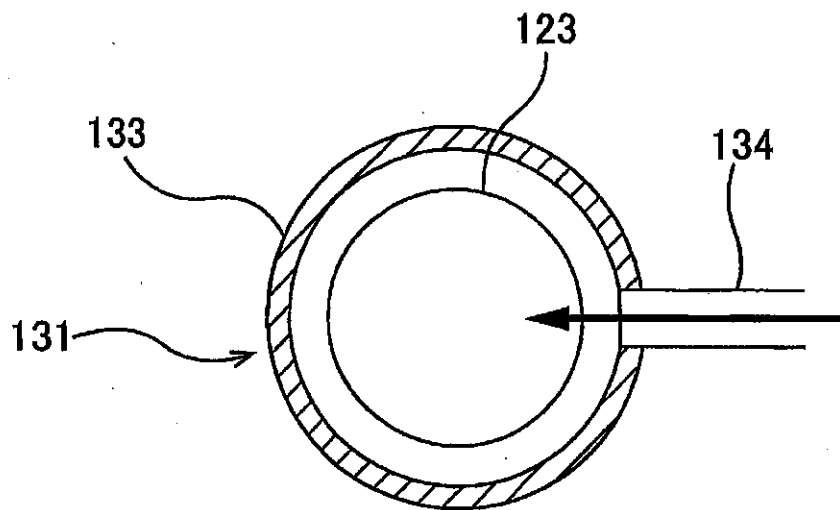
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FIG. 9



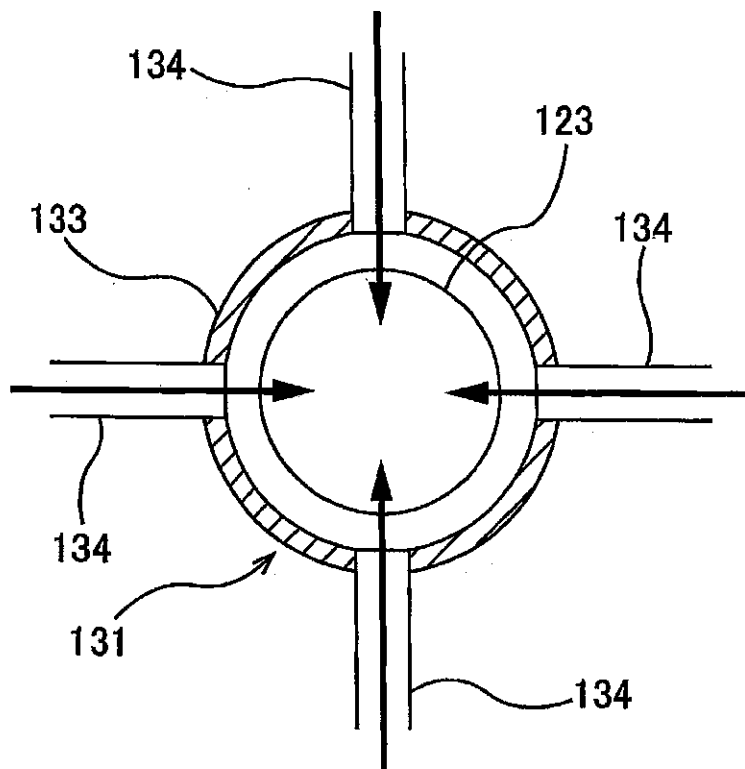
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FIG. 10



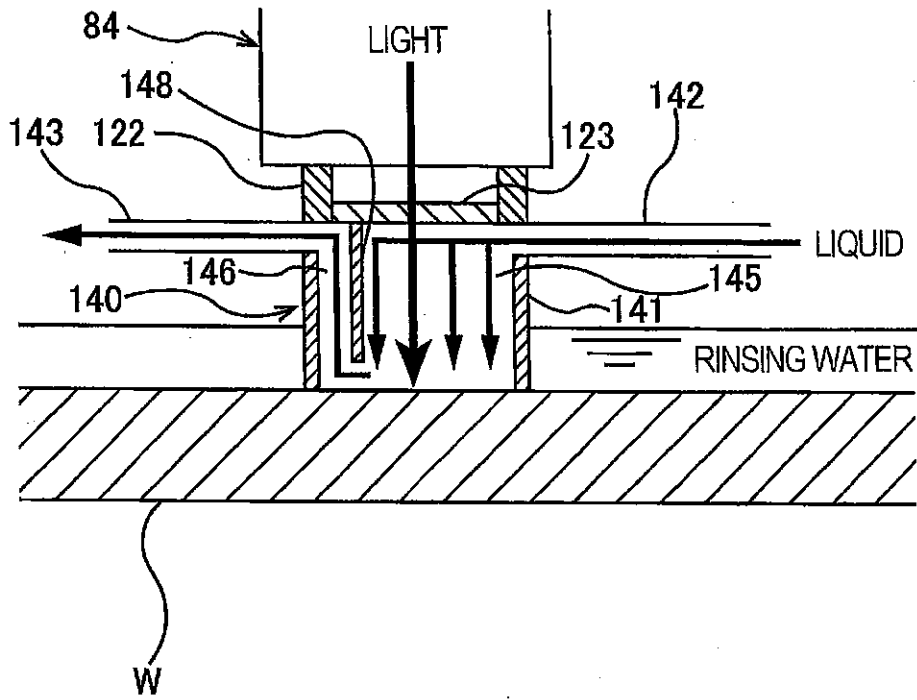
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FIG. 11



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FIG. 12



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FIG. 13

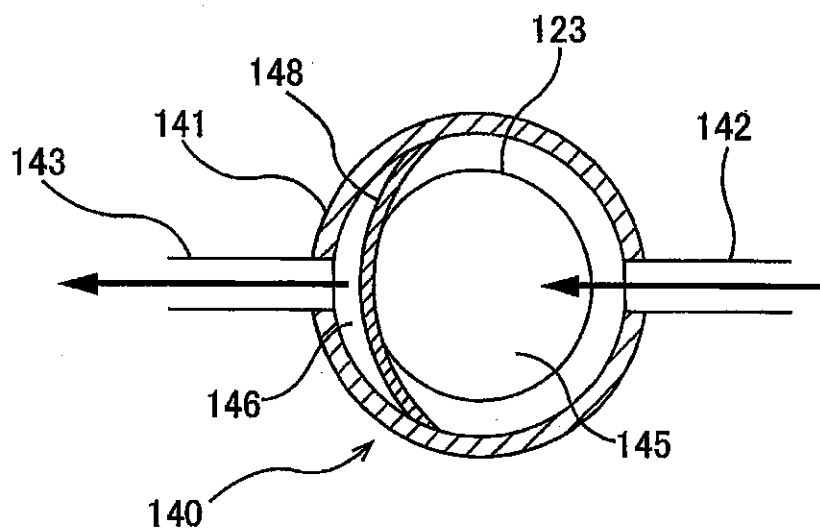
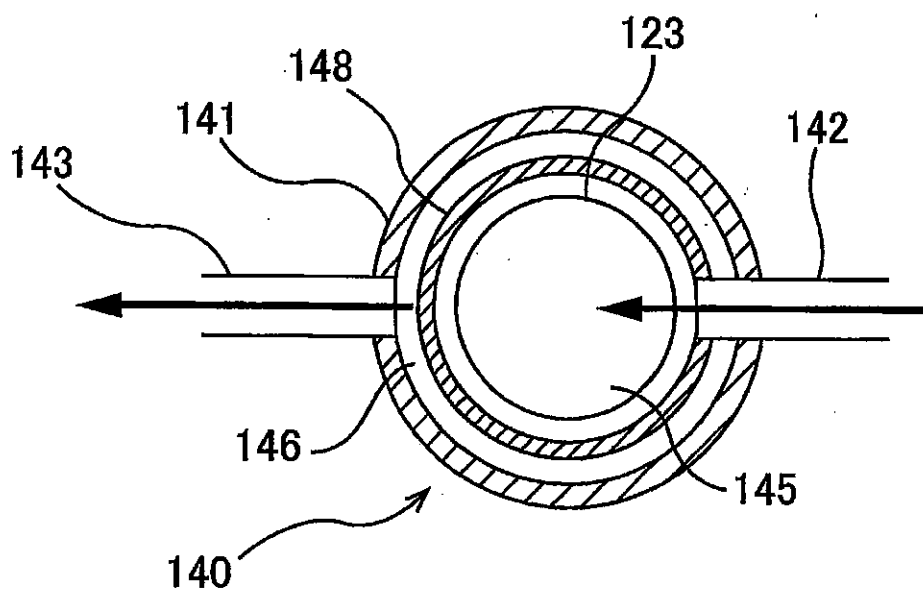
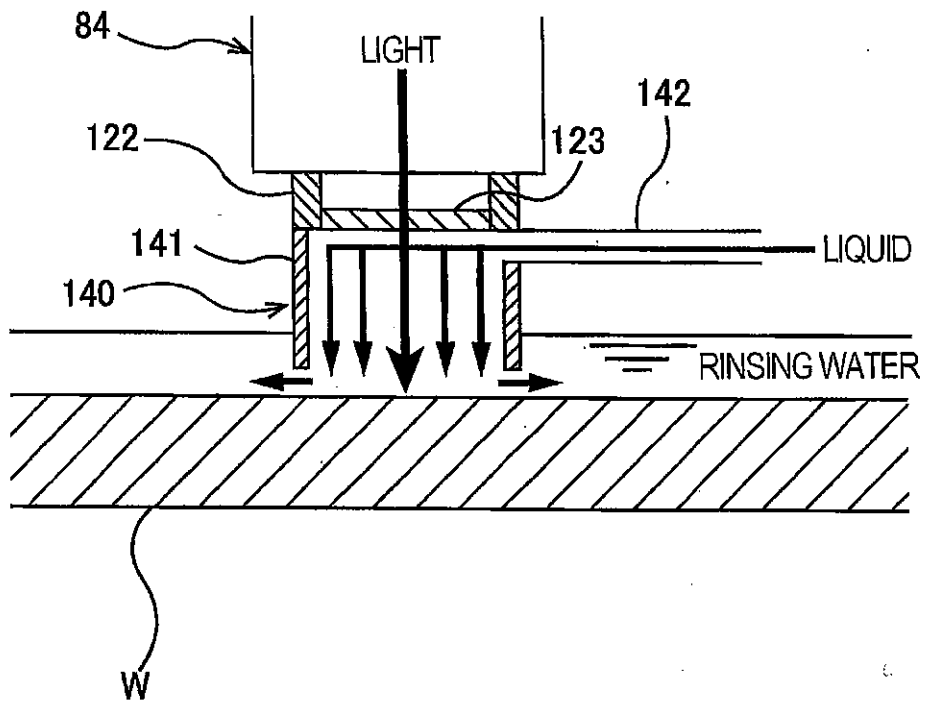


FIG. 14



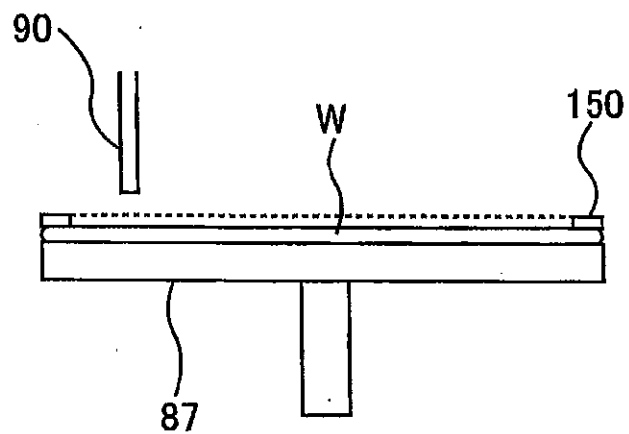
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FIG. 15

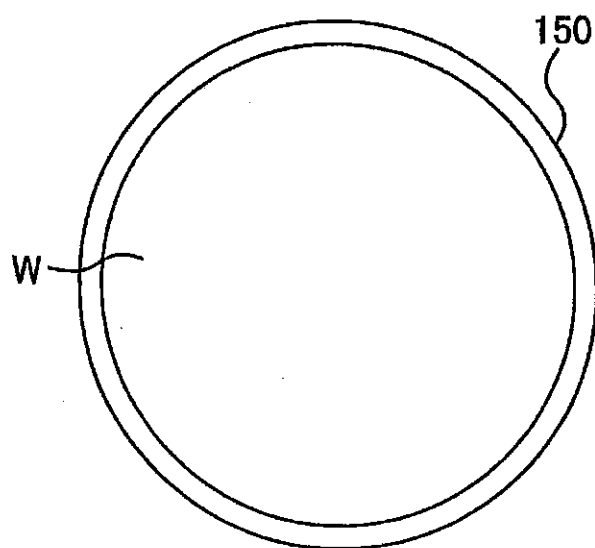


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**FIG. 16**



**FIG. 17**



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FIG. 18

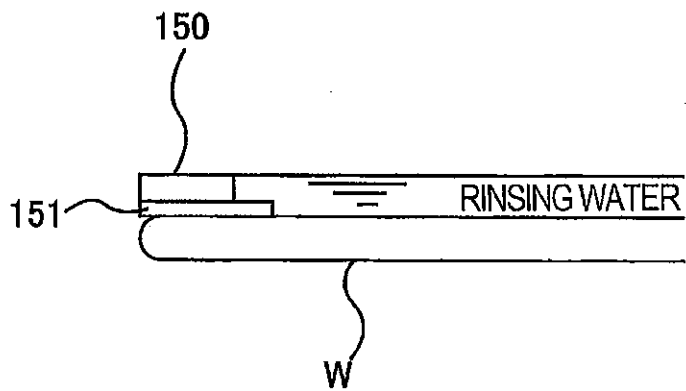
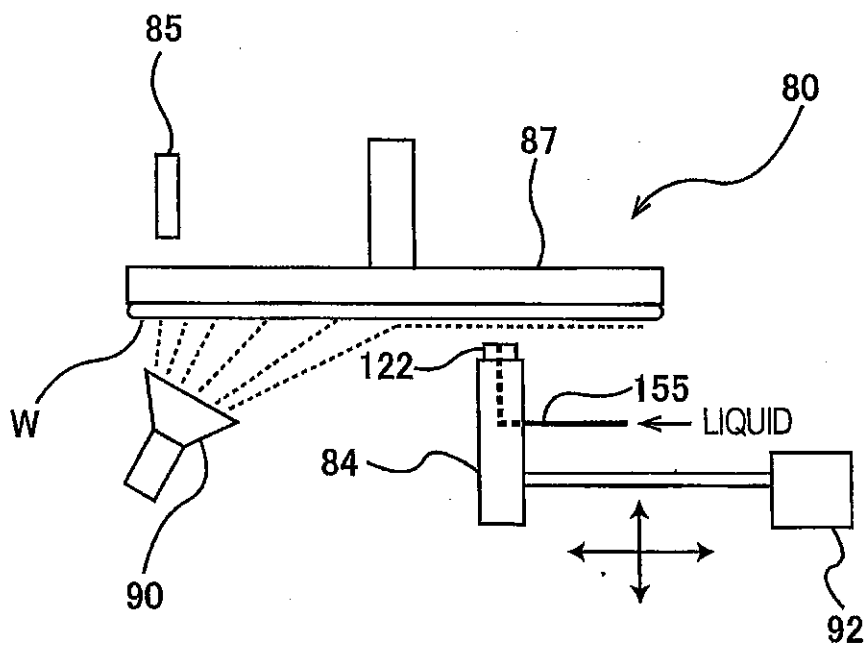


FIG. 19



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FIG. 20

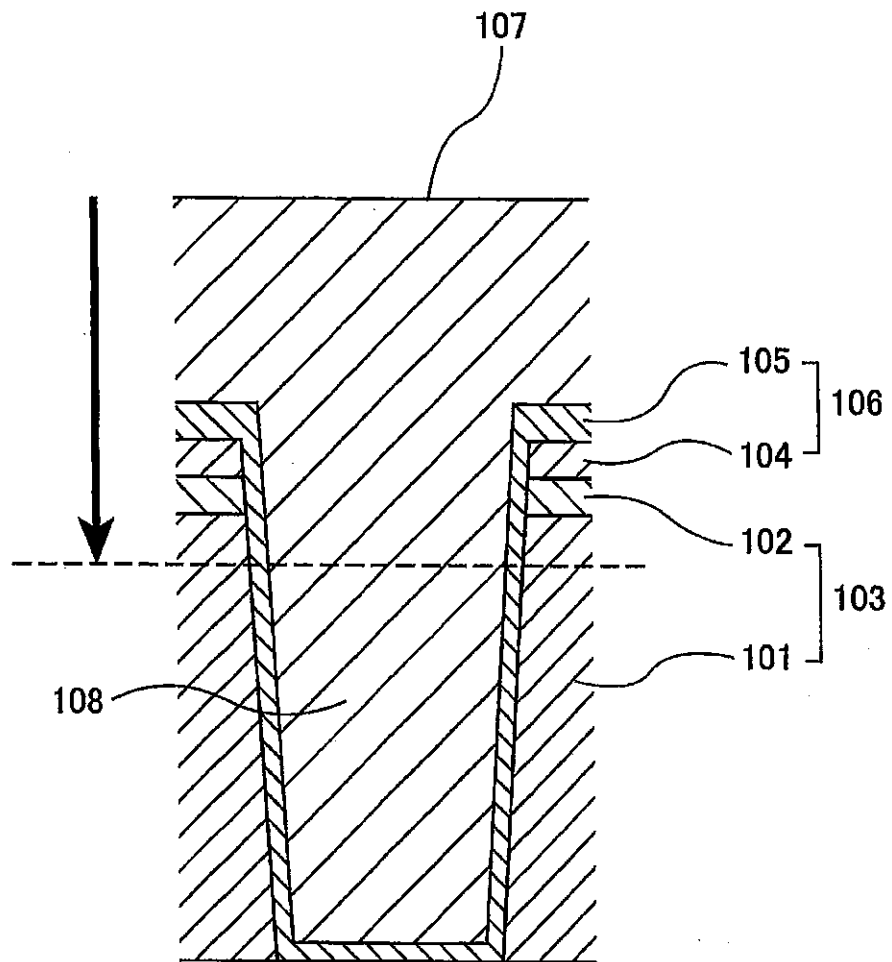


FIG. 21A

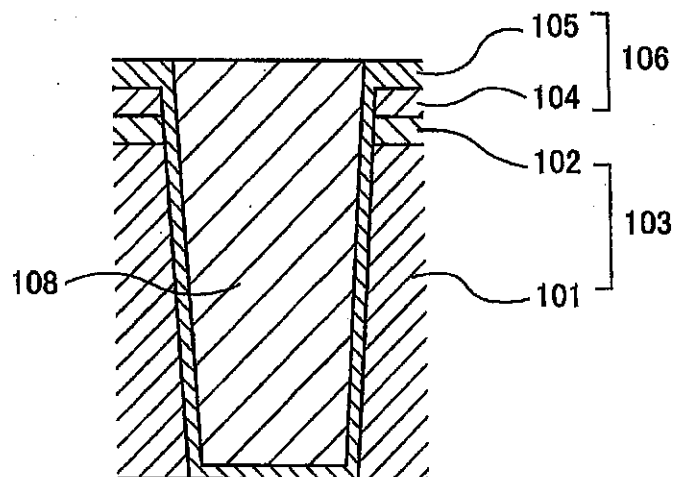
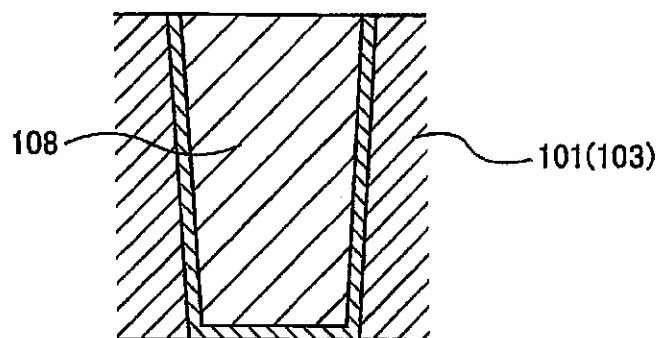
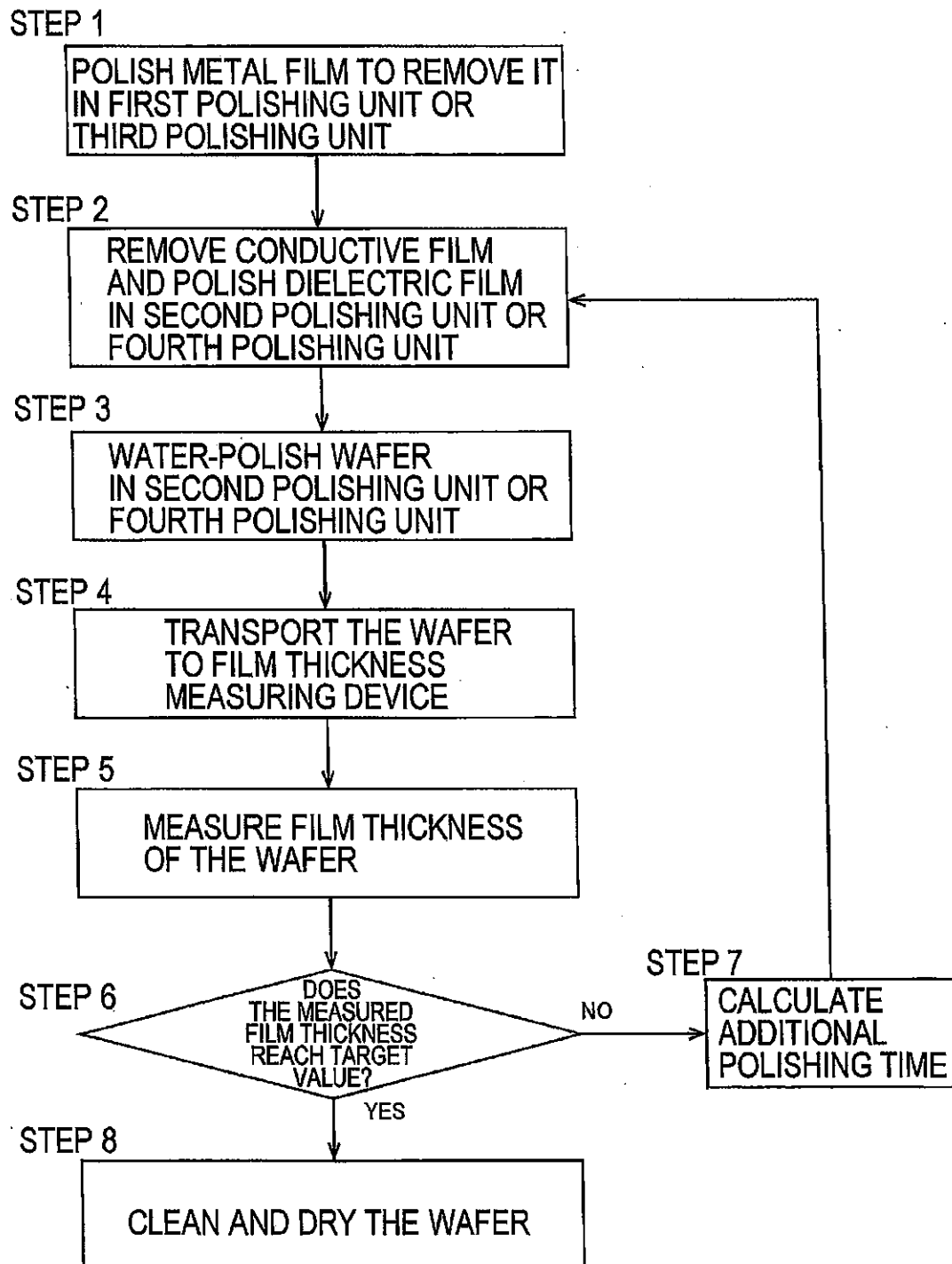


FIG. 21B



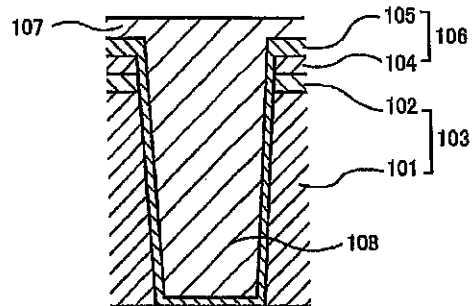
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FIG. 22



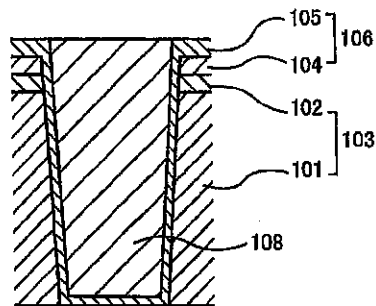
**FIG. 23A**

POLISH COPPER FILM 107



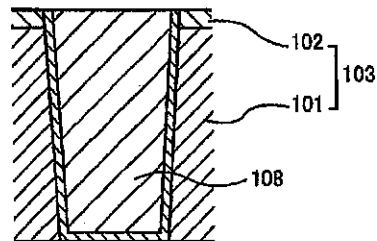
**FIG. 23B**

REMOVE COPPER FILM 107



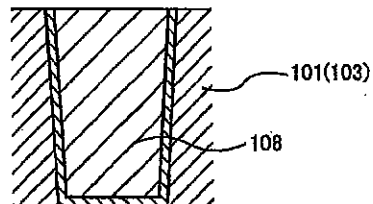
**FIG. 23C**

REMOVE BARRIER FILM 105  
+  
REMOVE SECOND HARD  
MASK FILM 104



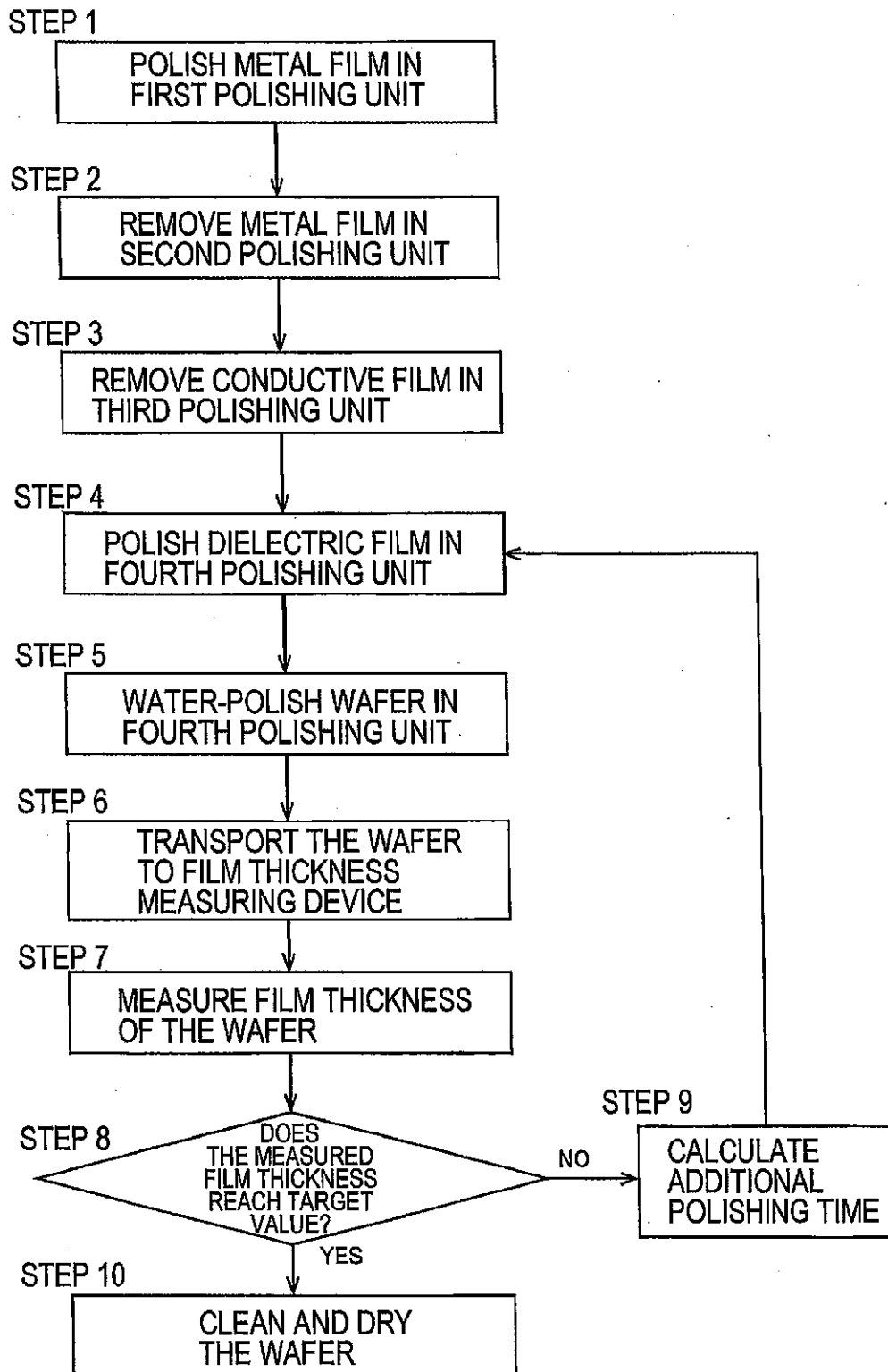
**FIG. 23D**

REMOVE FIRST HARD  
MASK FILM 102  
+  
POLISH INTERLAYER  
DIELECTRIC FILM 101



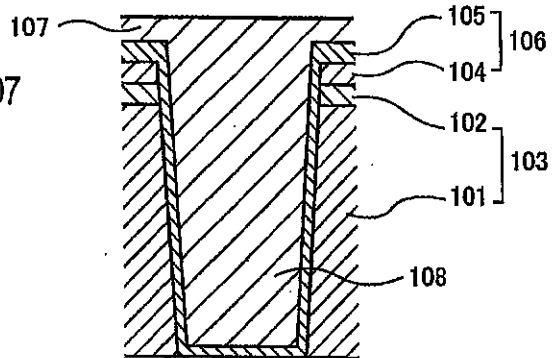
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FIG. 24



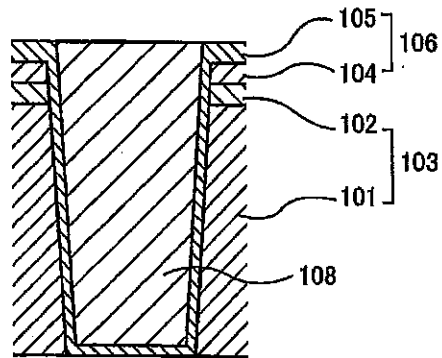
**FIG. 25A**

POLISH COPPER FILM 107



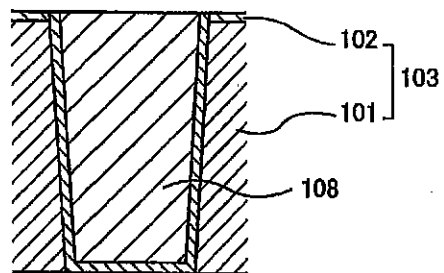
**FIG. 25B**

REMOVE COPPER FILM 107



**FIG. 25C**

REMOVE BARRIER FILM 105  
+  
REMOVE SECOND HARD  
MASK FILM 104  
+  
POLISH FIRST HARD  
MASK FILM 102



**FIG. 25D**

REMOVE FIRST HARD  
MASK FILM 102  
+  
POLISH INTERLAYER  
DIELECTRIC FILM 101

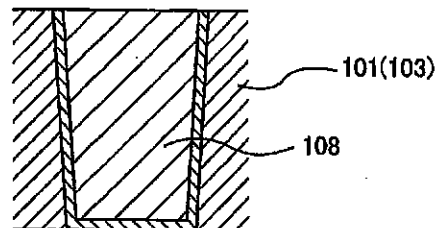
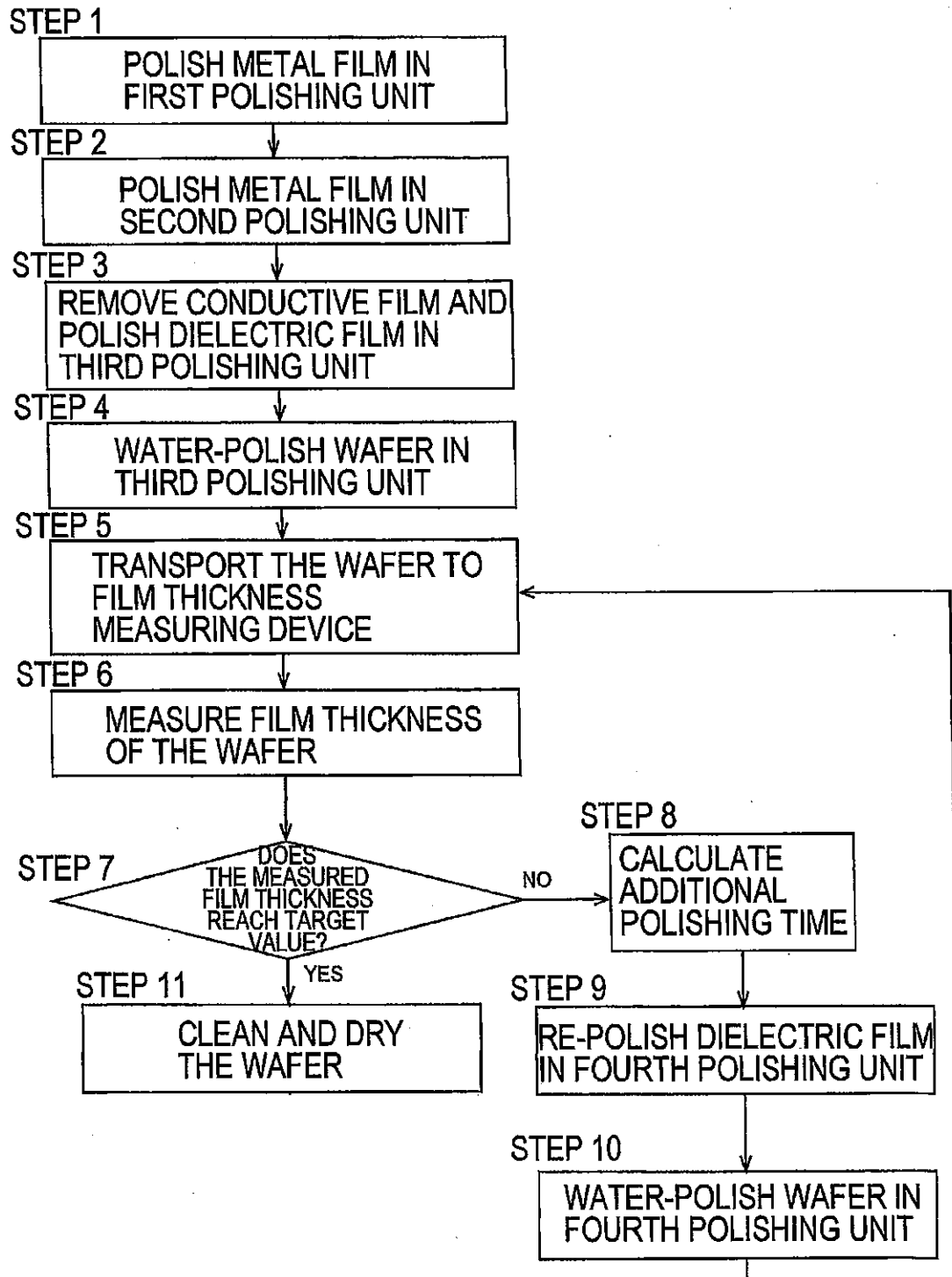
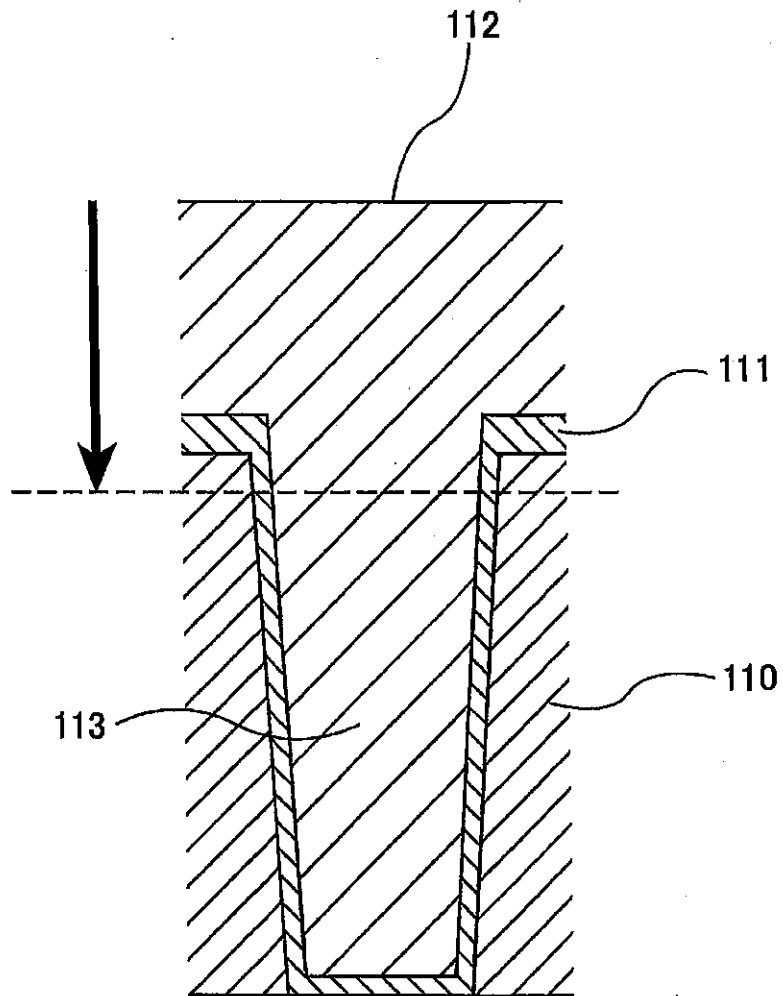


FIG. 26

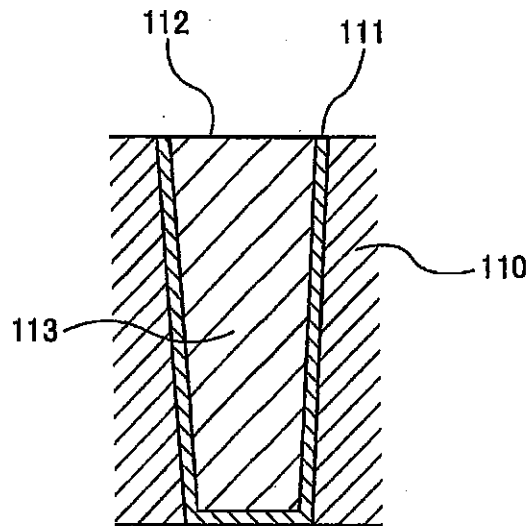


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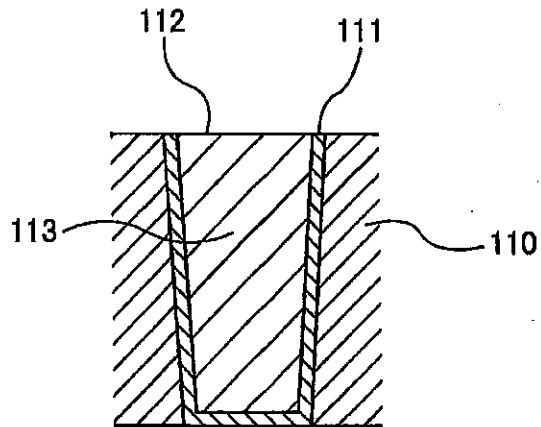
FIG. 27



**FIG. 28A**

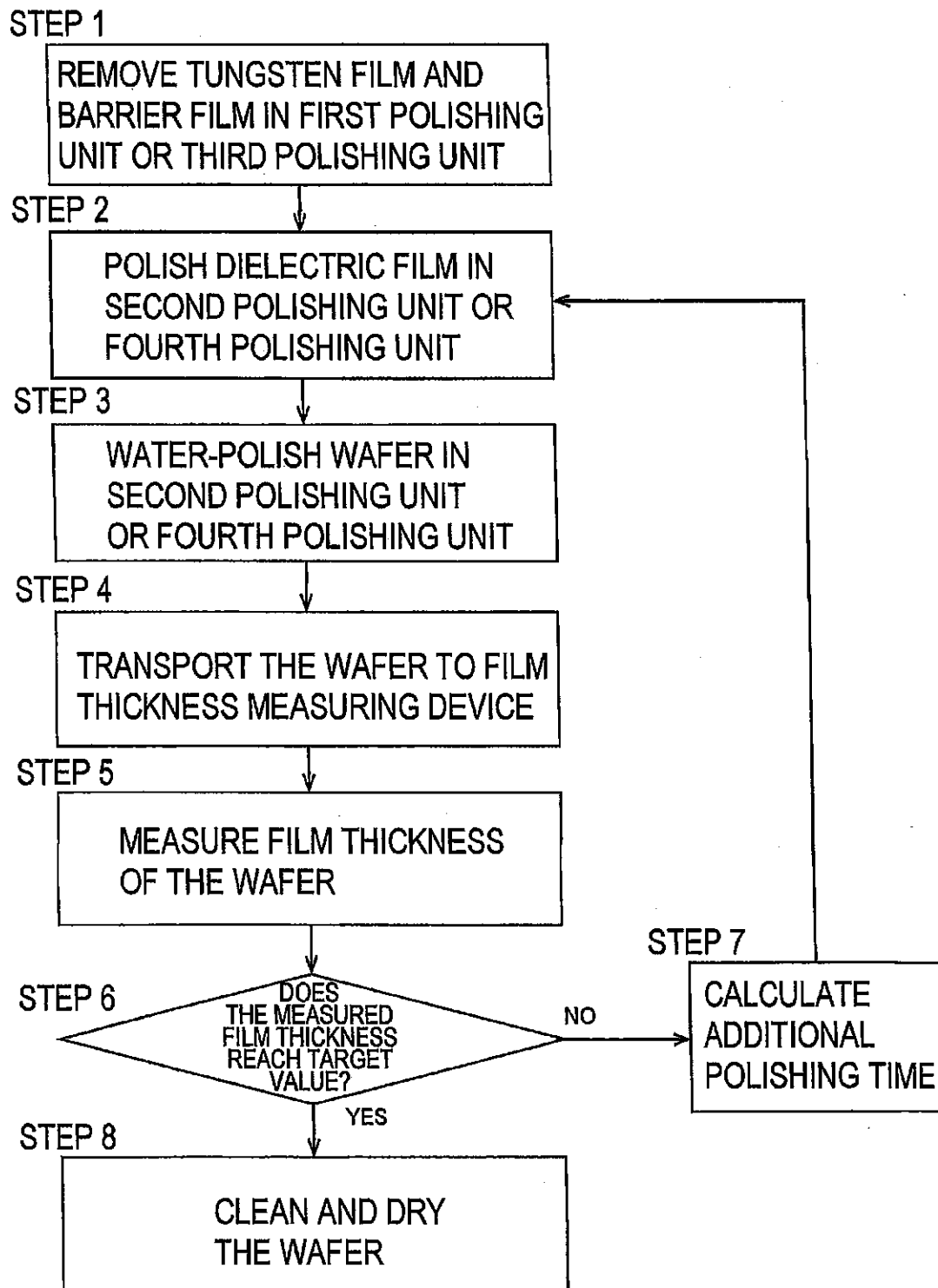


**FIG. 28B**



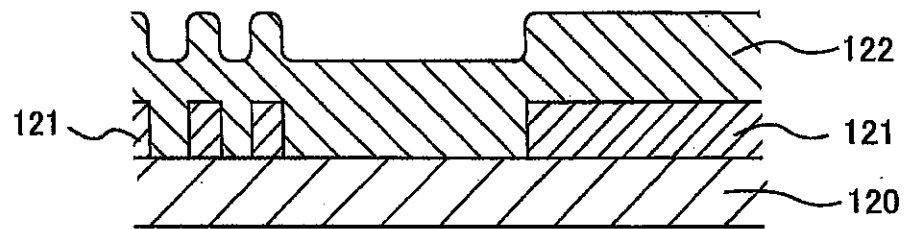
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FIG. 29

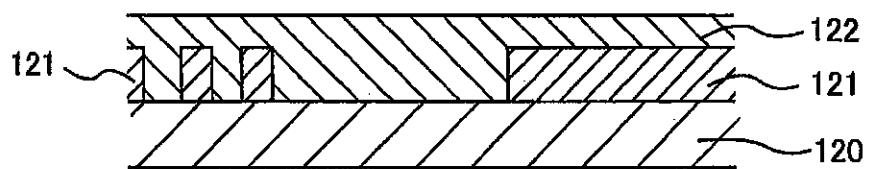


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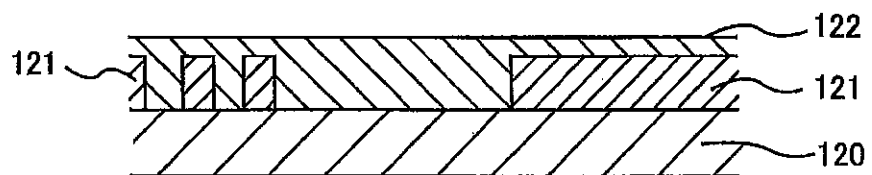
**FIG. 30**



**FIG. 31A**

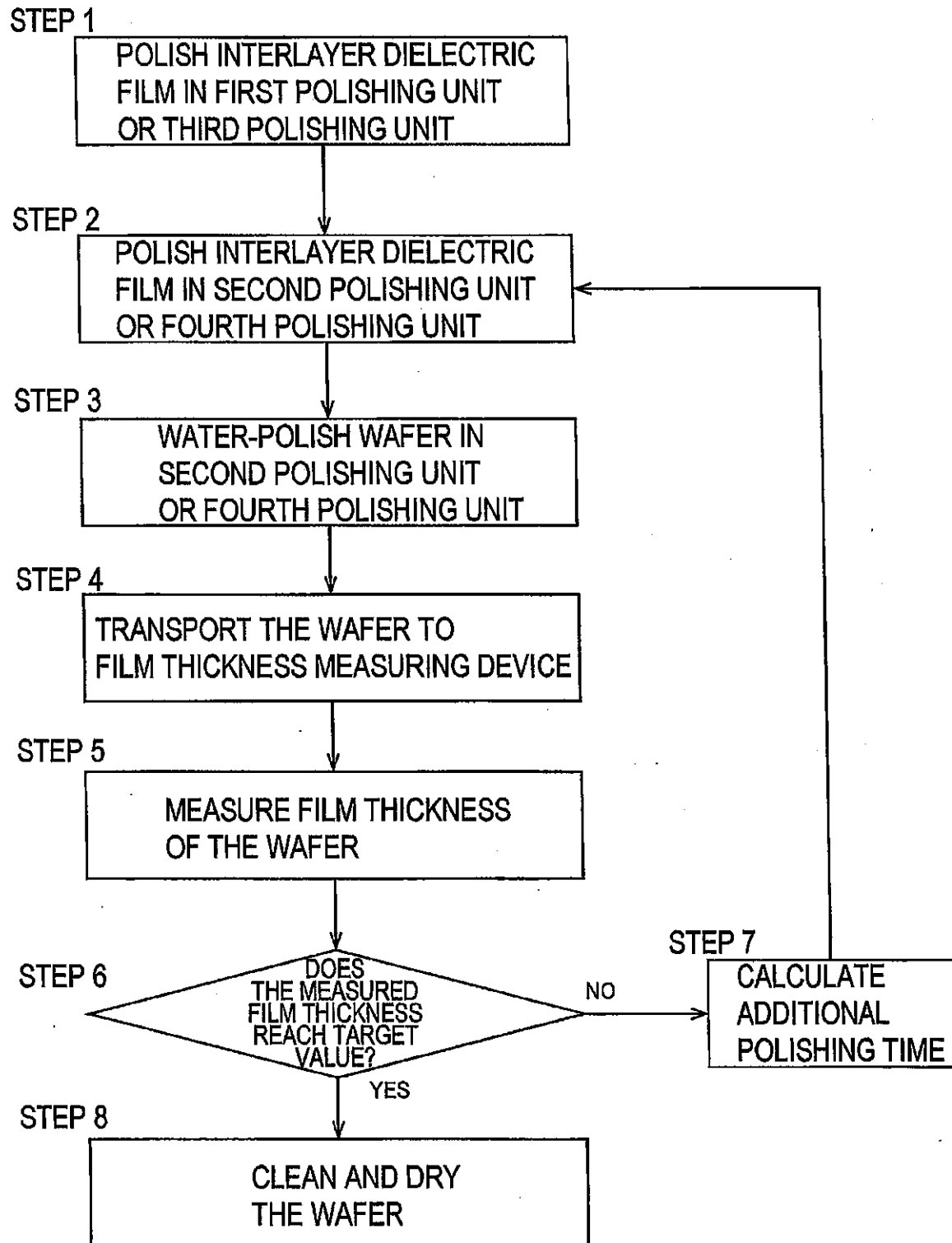


**FIG. 31B**



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FIG. 32



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FIG. 33

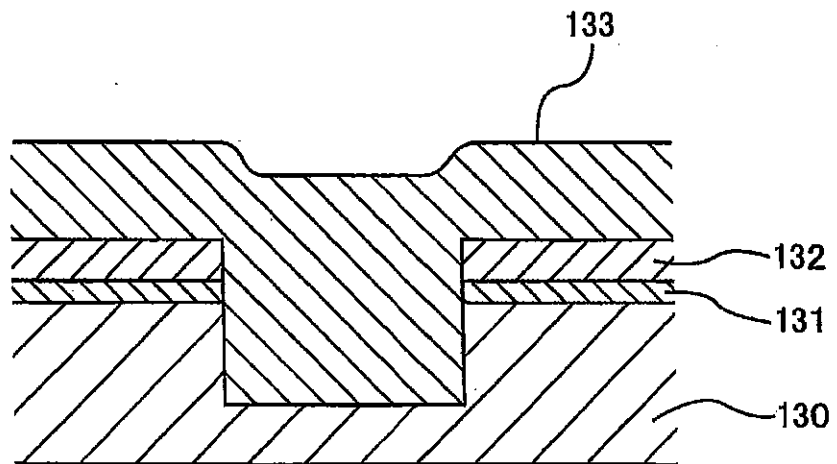


FIG. 34A

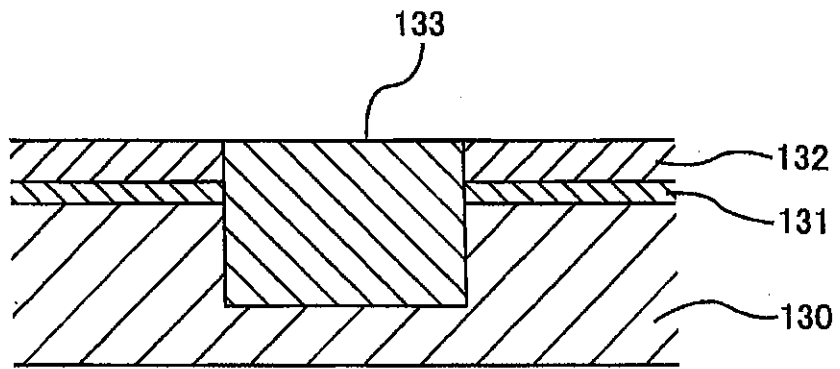
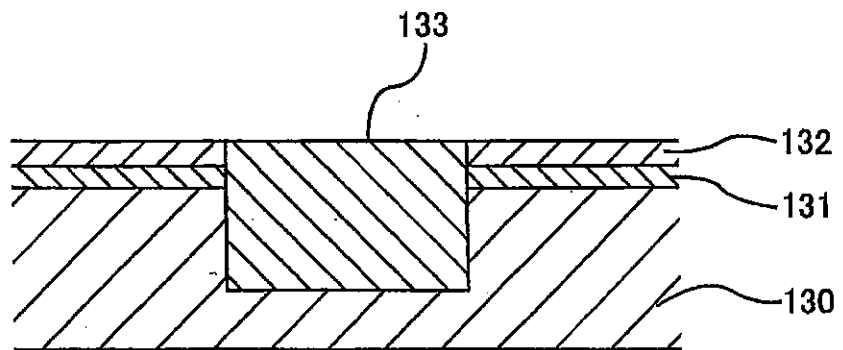
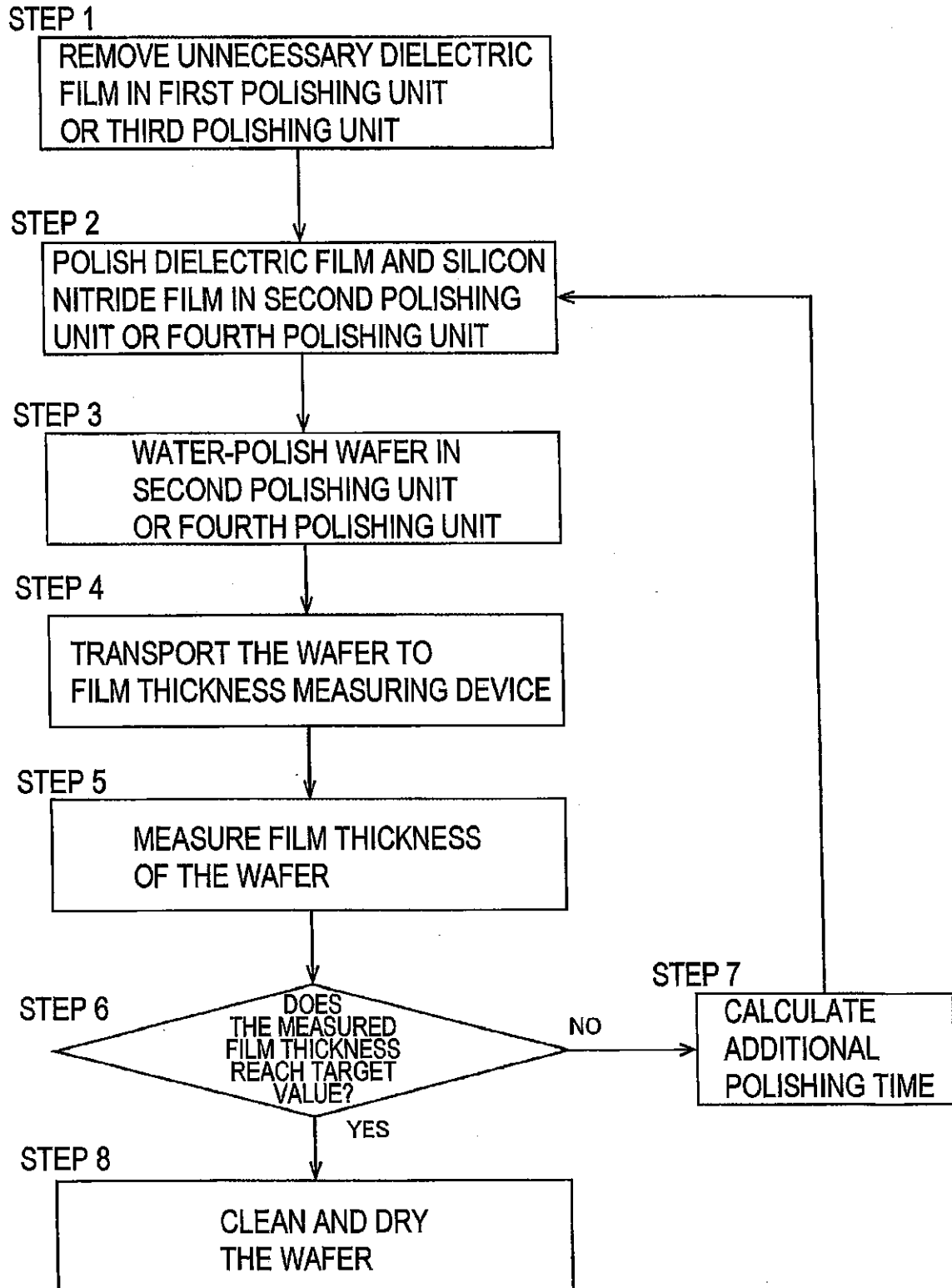


FIG. 34B



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FIG. 35



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FIG. 36

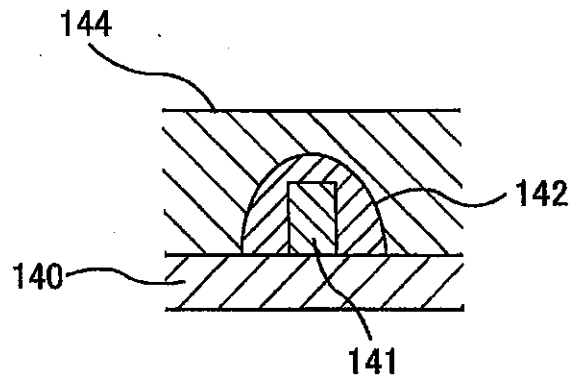


FIG. 37A

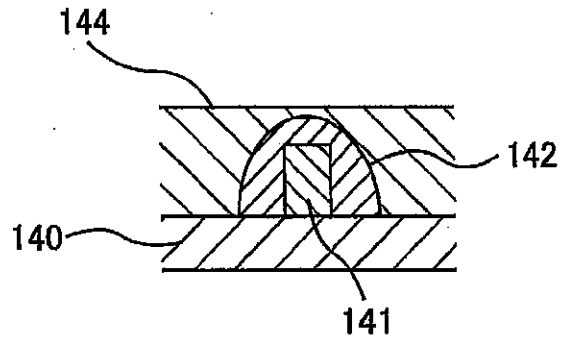


FIG. 37B

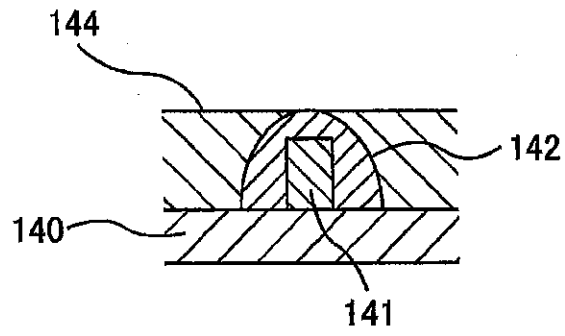


FIG. 37C

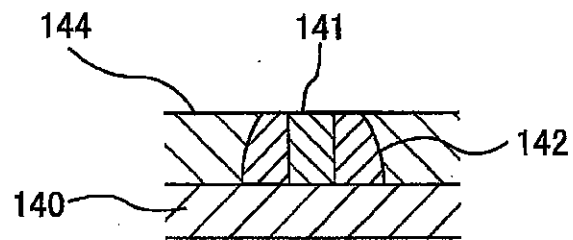
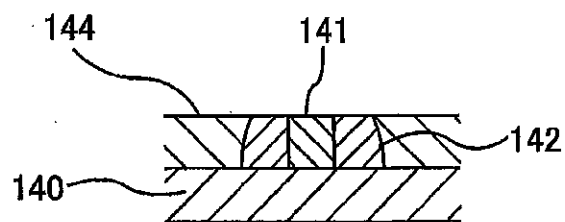
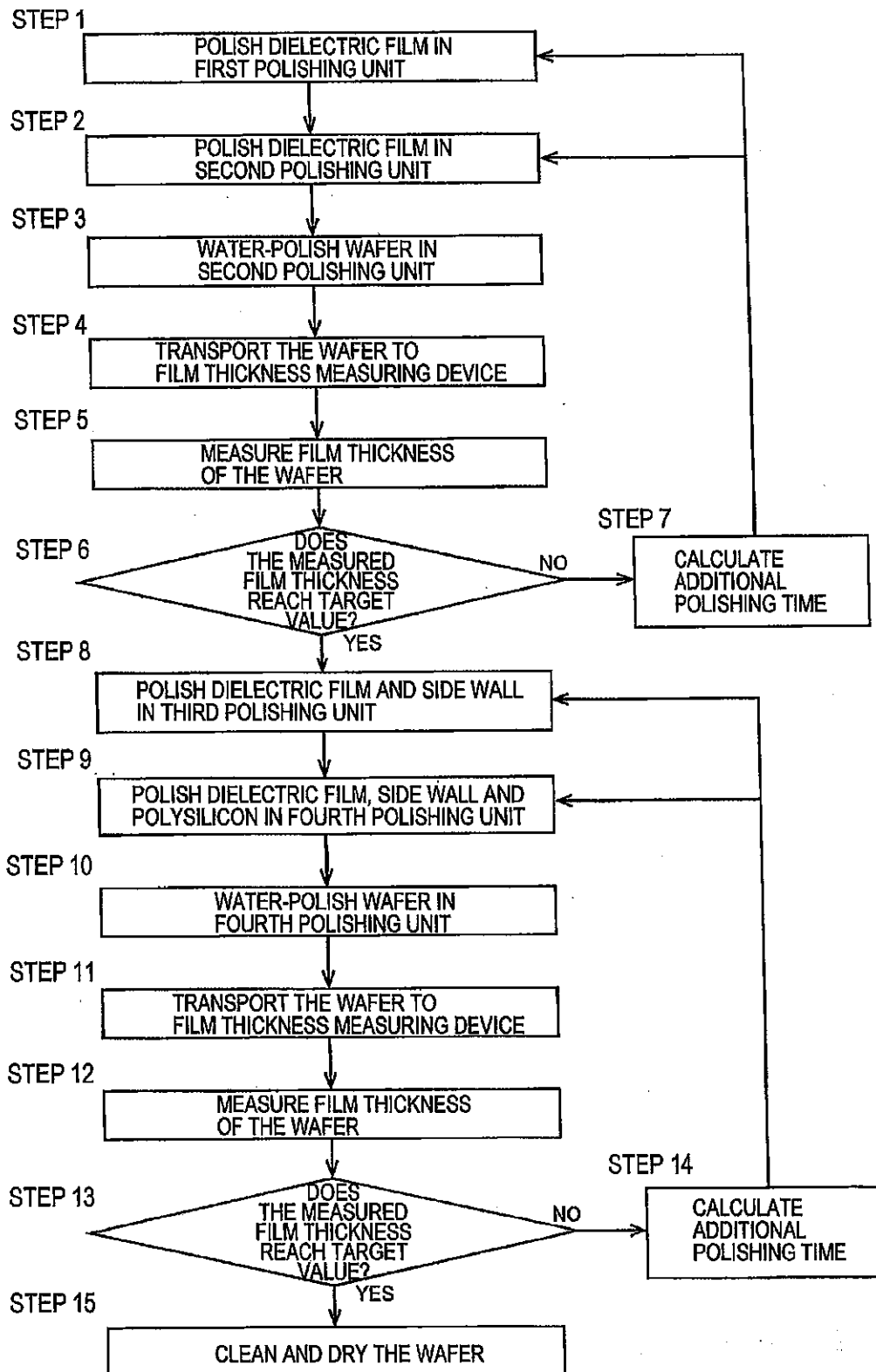


FIG. 37D



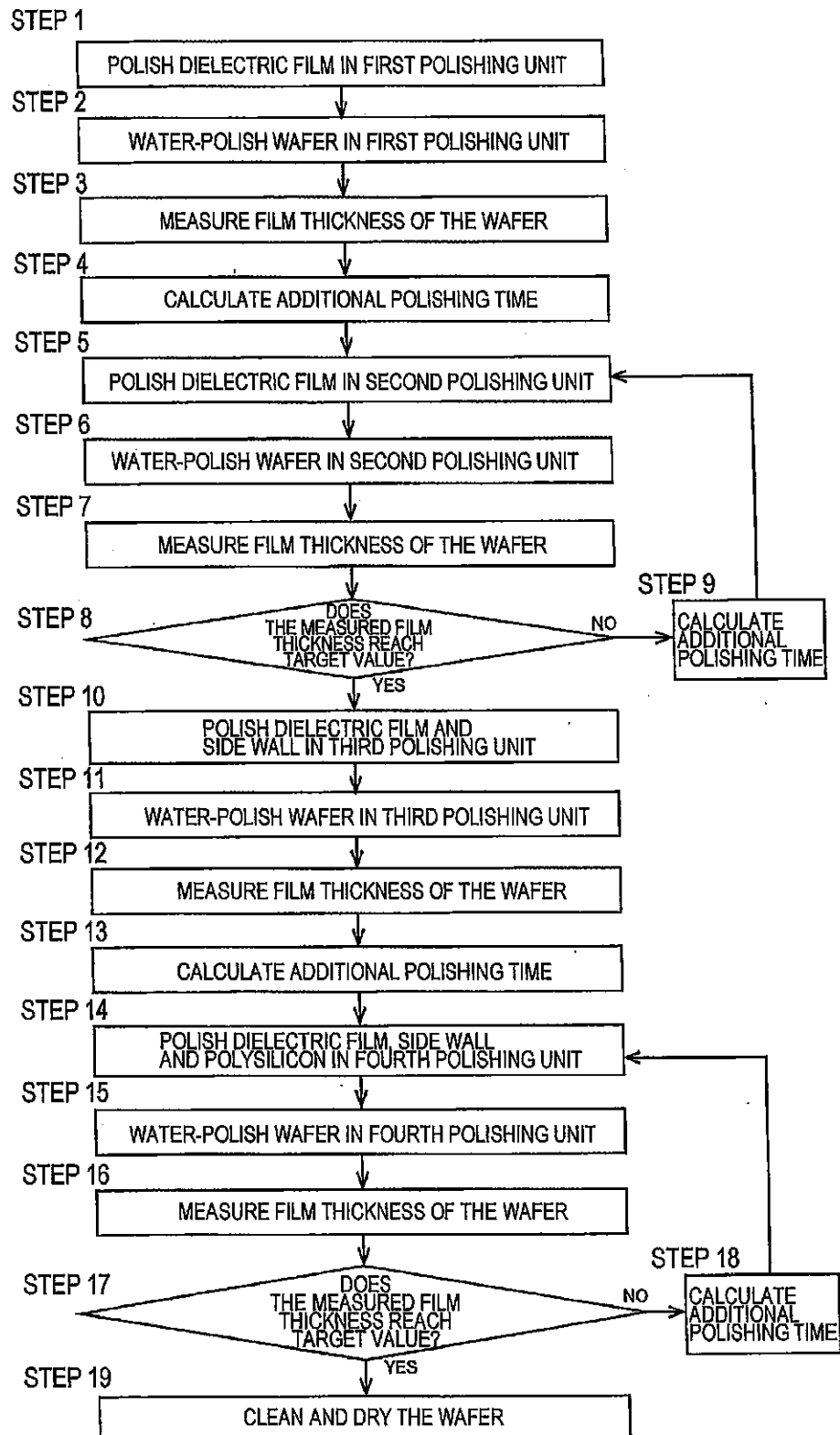
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FIG. 38



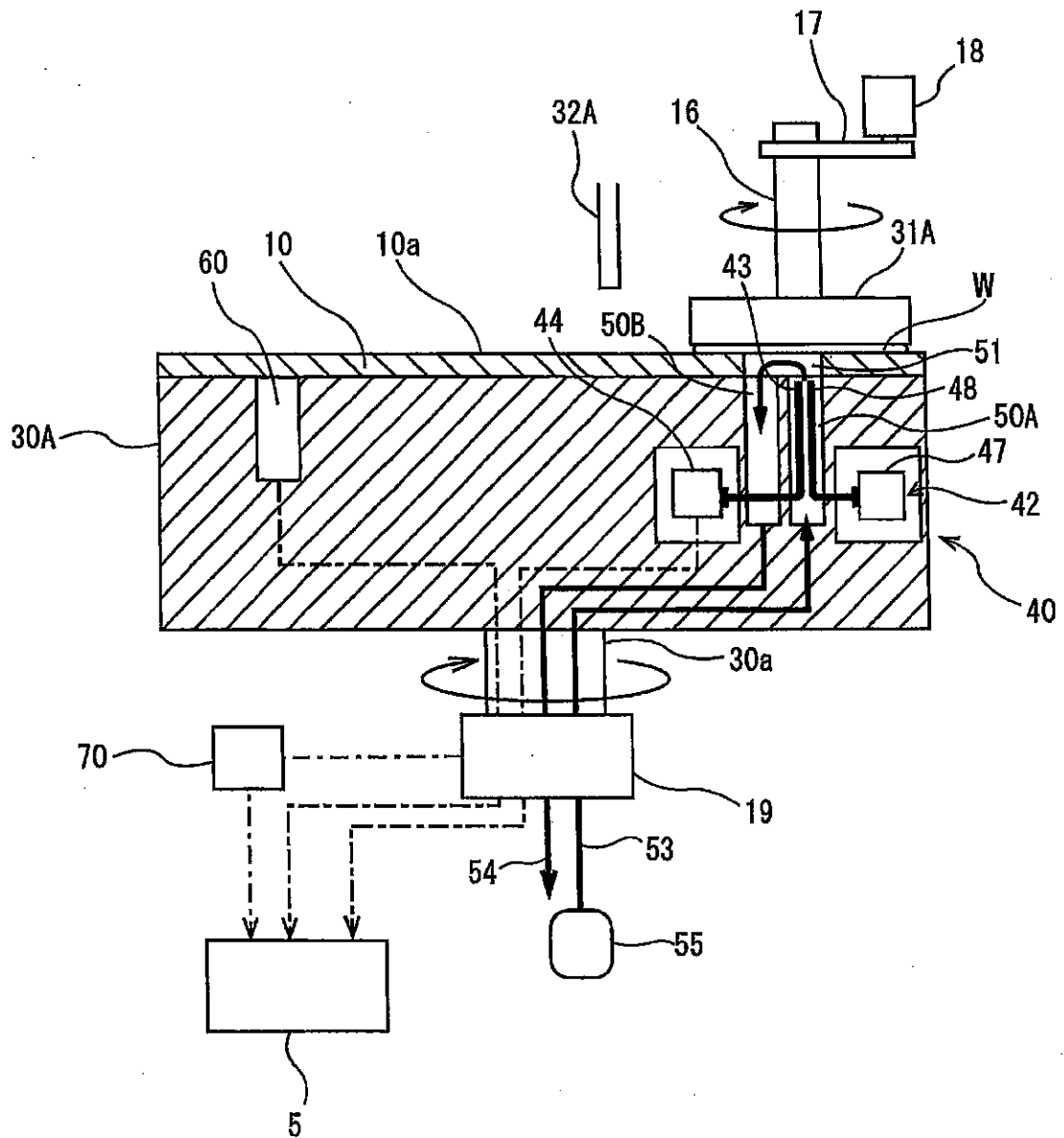
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FIG. 39



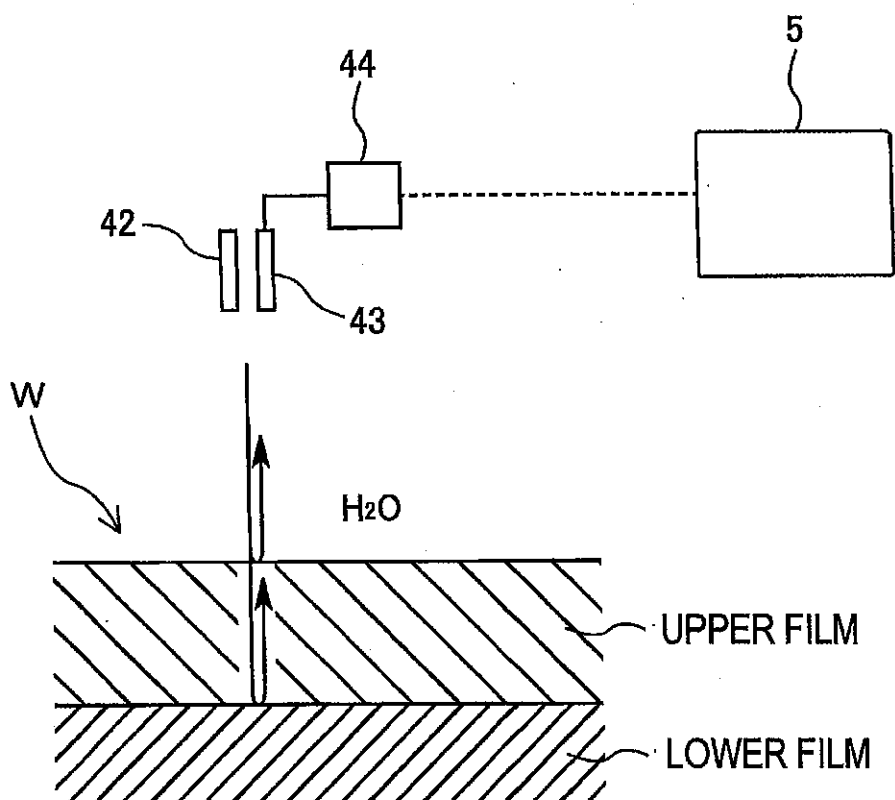
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FIG. 40



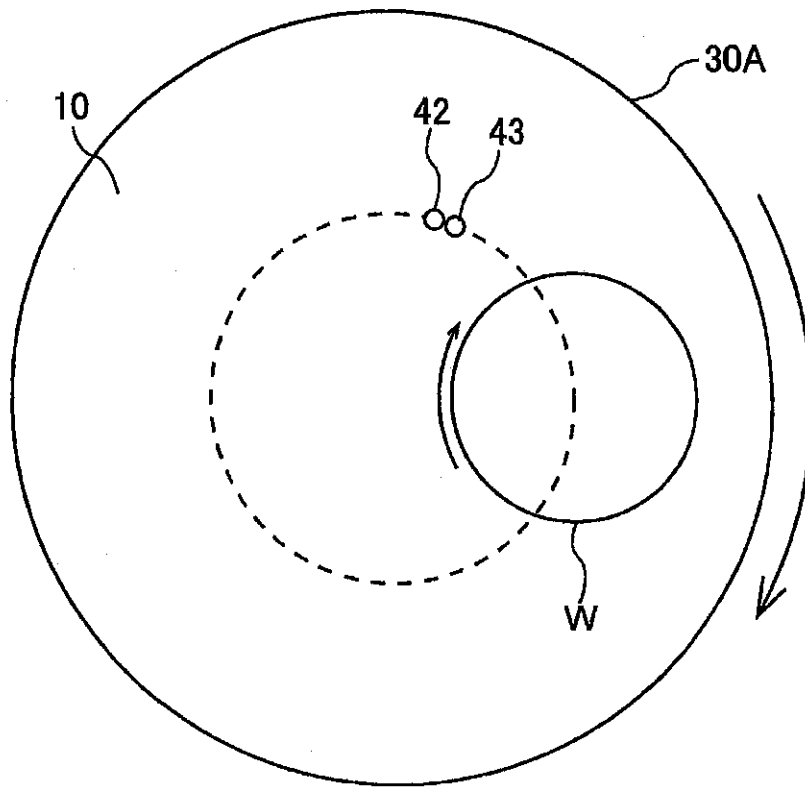
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FIG. 41



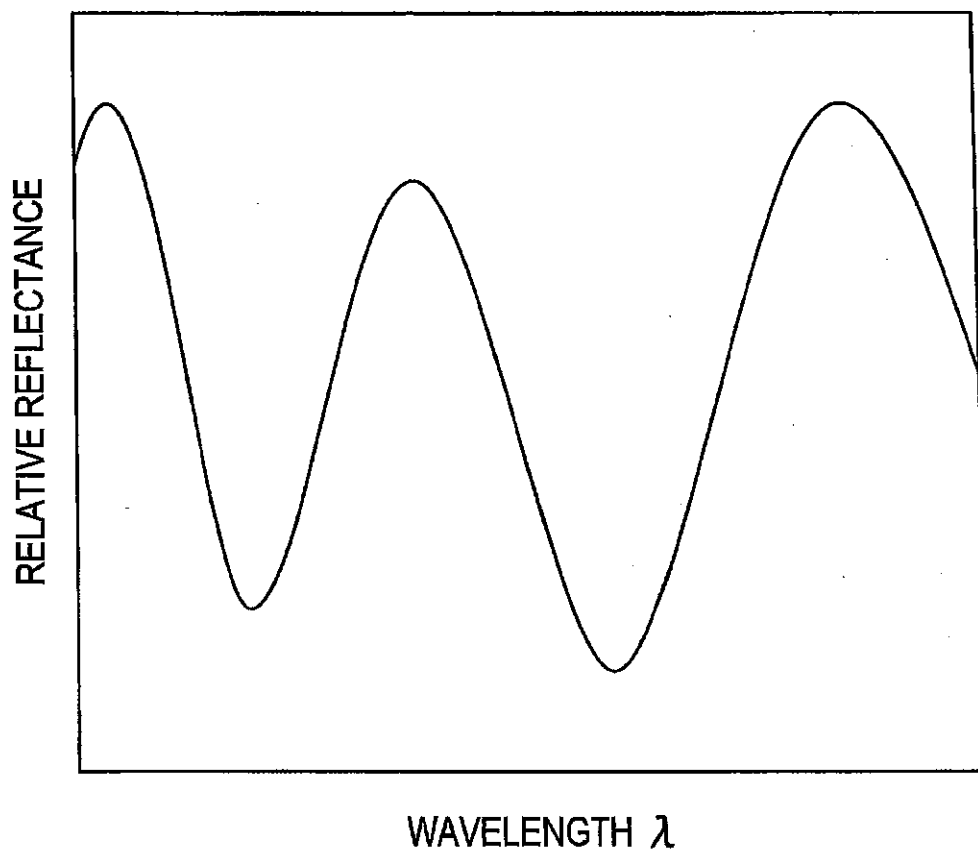
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FIG. 42



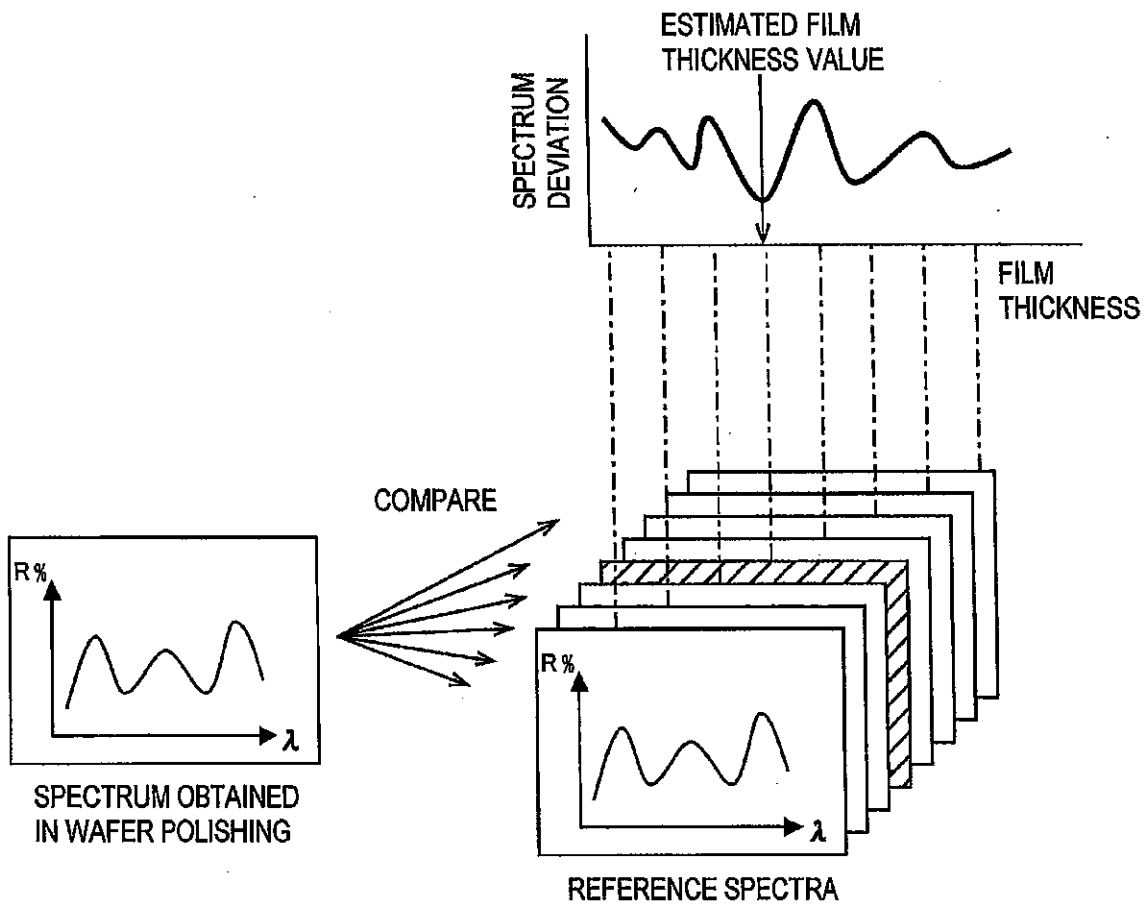
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**FIG. 43**



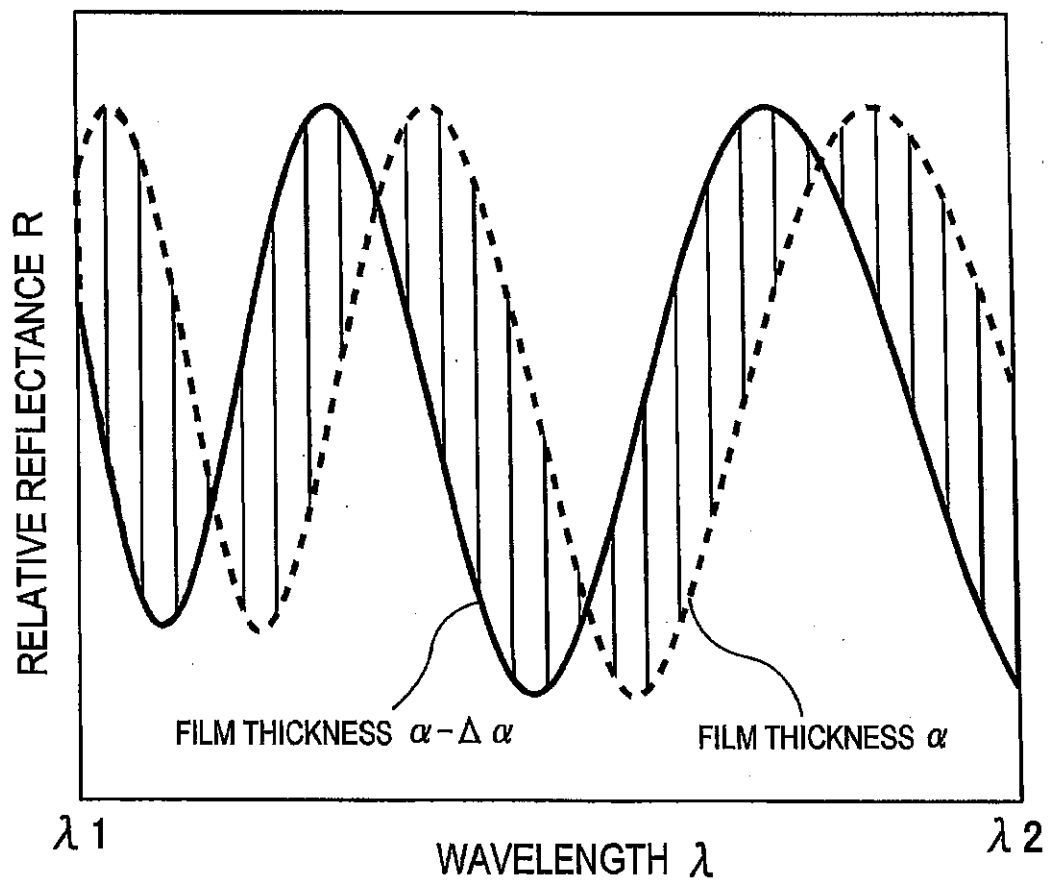
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FIG. 44



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FIG. 45



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FIG. 46

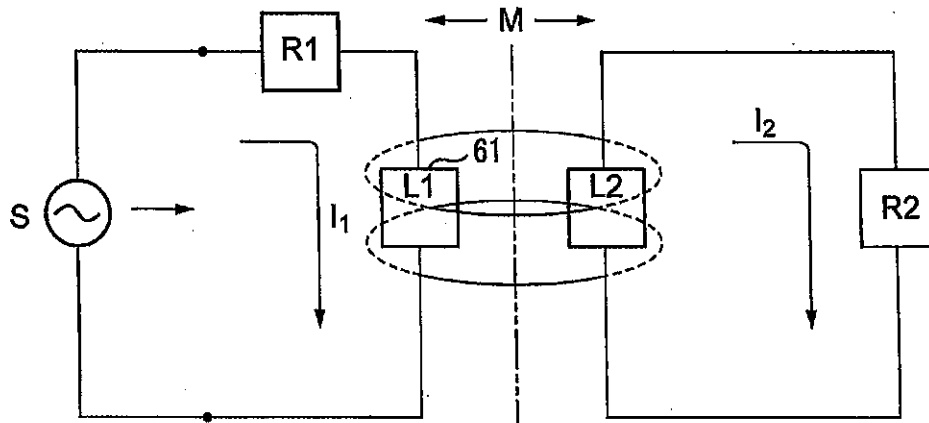
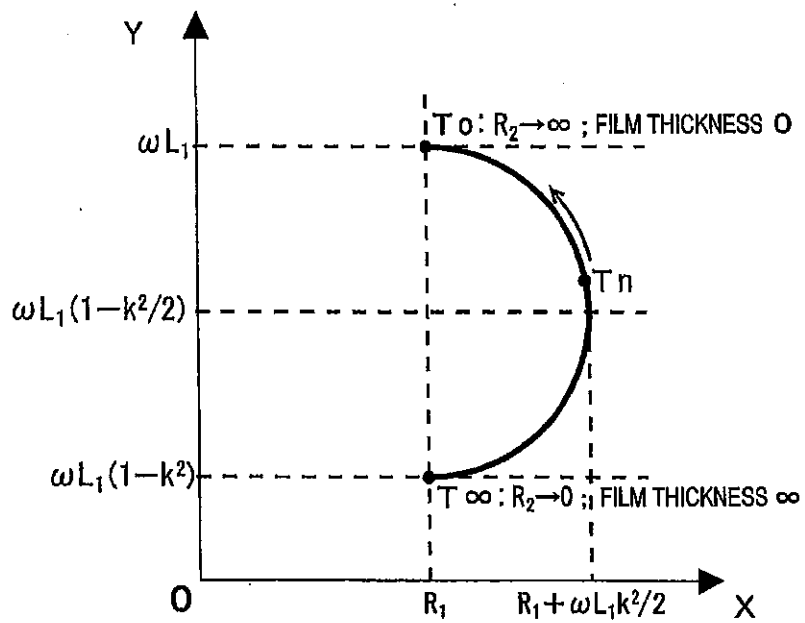


FIG. 47



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FIG. 48

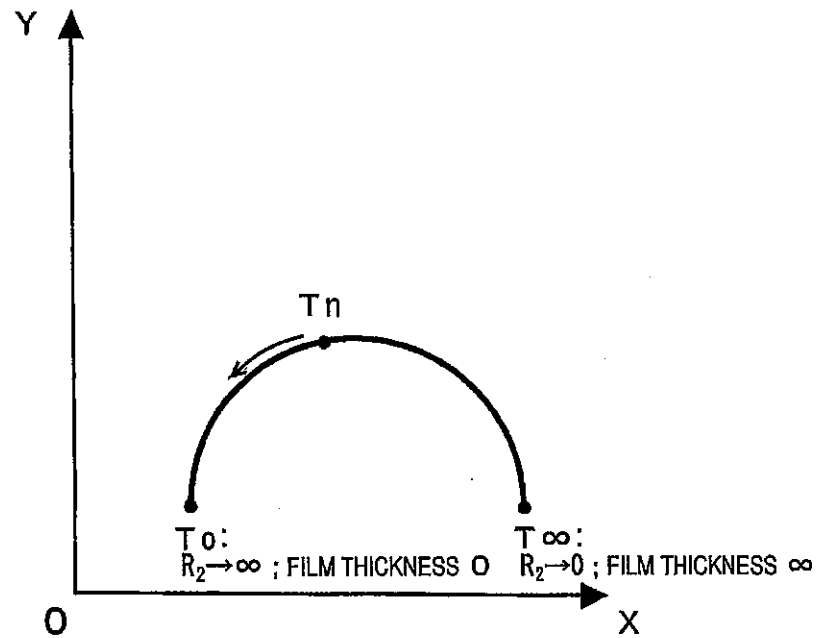
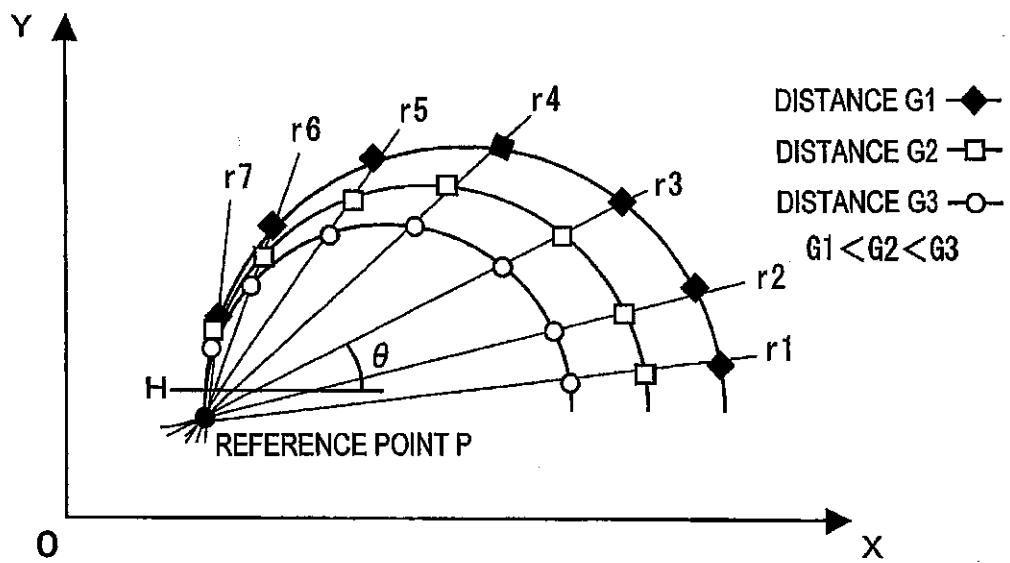


FIG. 49



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FIG. 50

