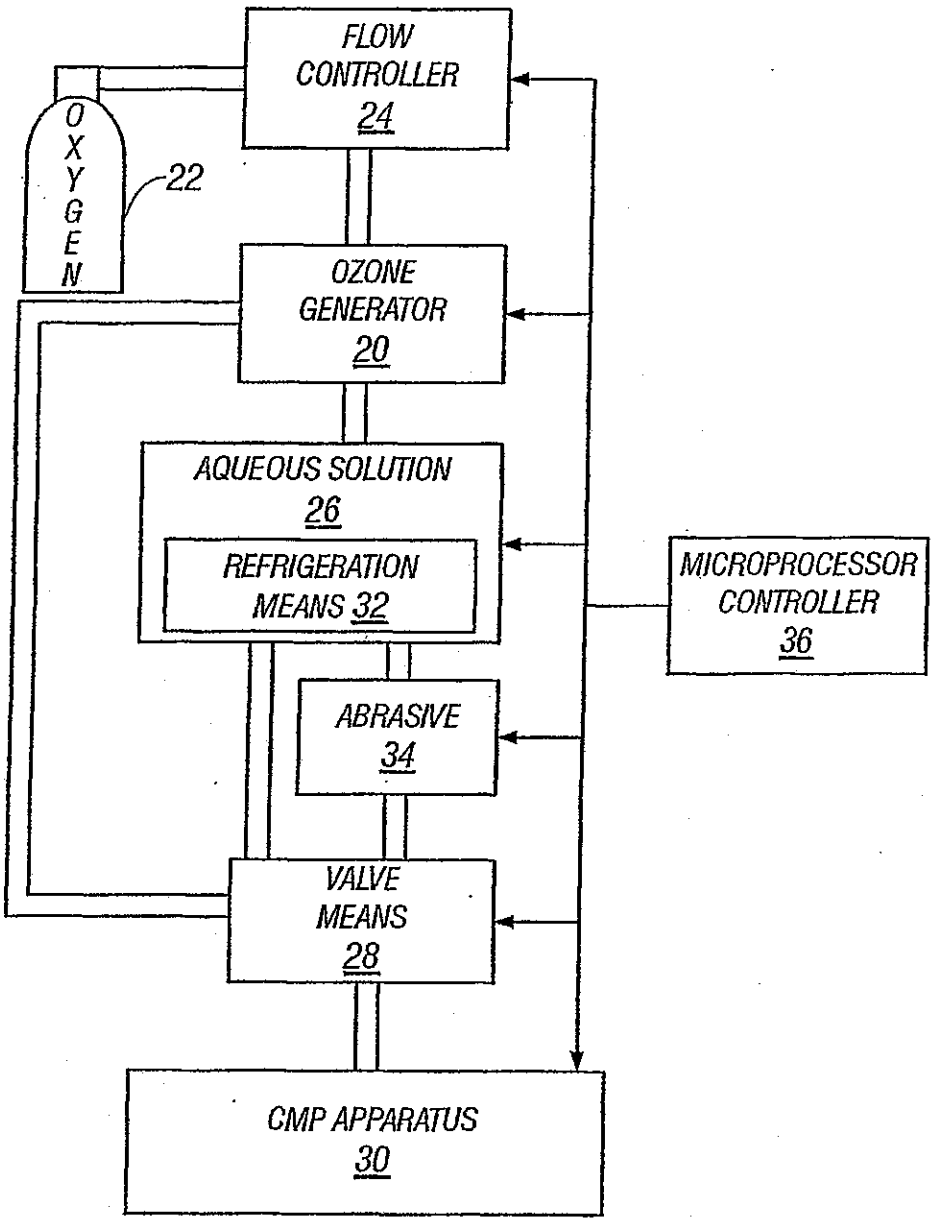

FLOW CONTROLLER 24
OXYGEN
22
OZONE GENERATOR 20
AQUEOUS SOLUTION 26
REFRIGERATION MEANS 32
MICROPROCESSOR CONTROLLER 36
ABRASIVE 34
VALVE MEANS 28
CMP APPARATUS 30

FIG. 1

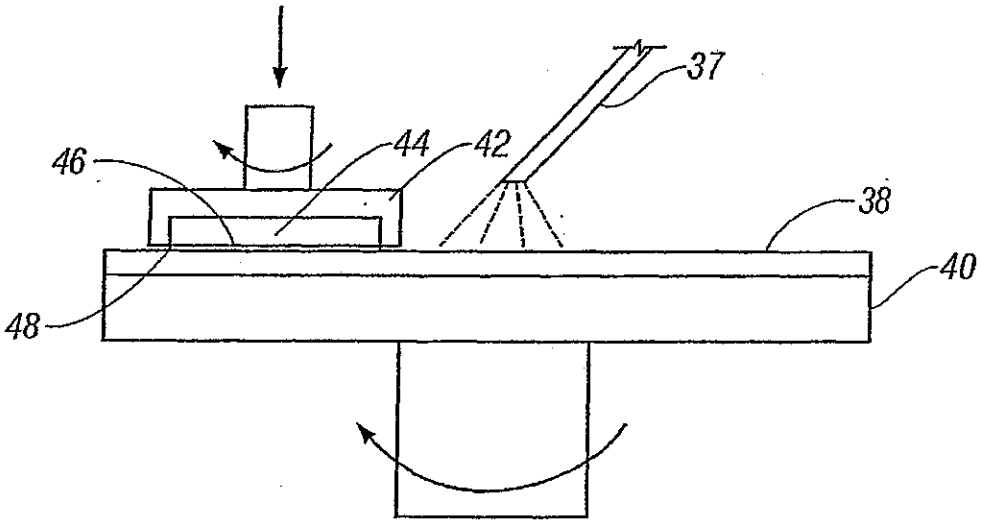


FIG. 2

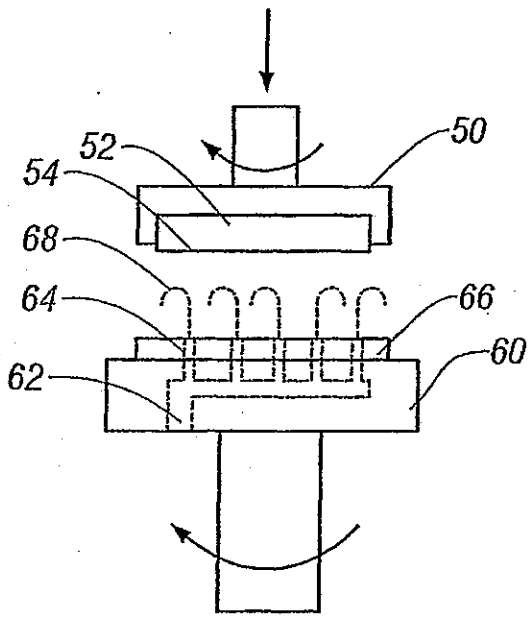


FIG. 3

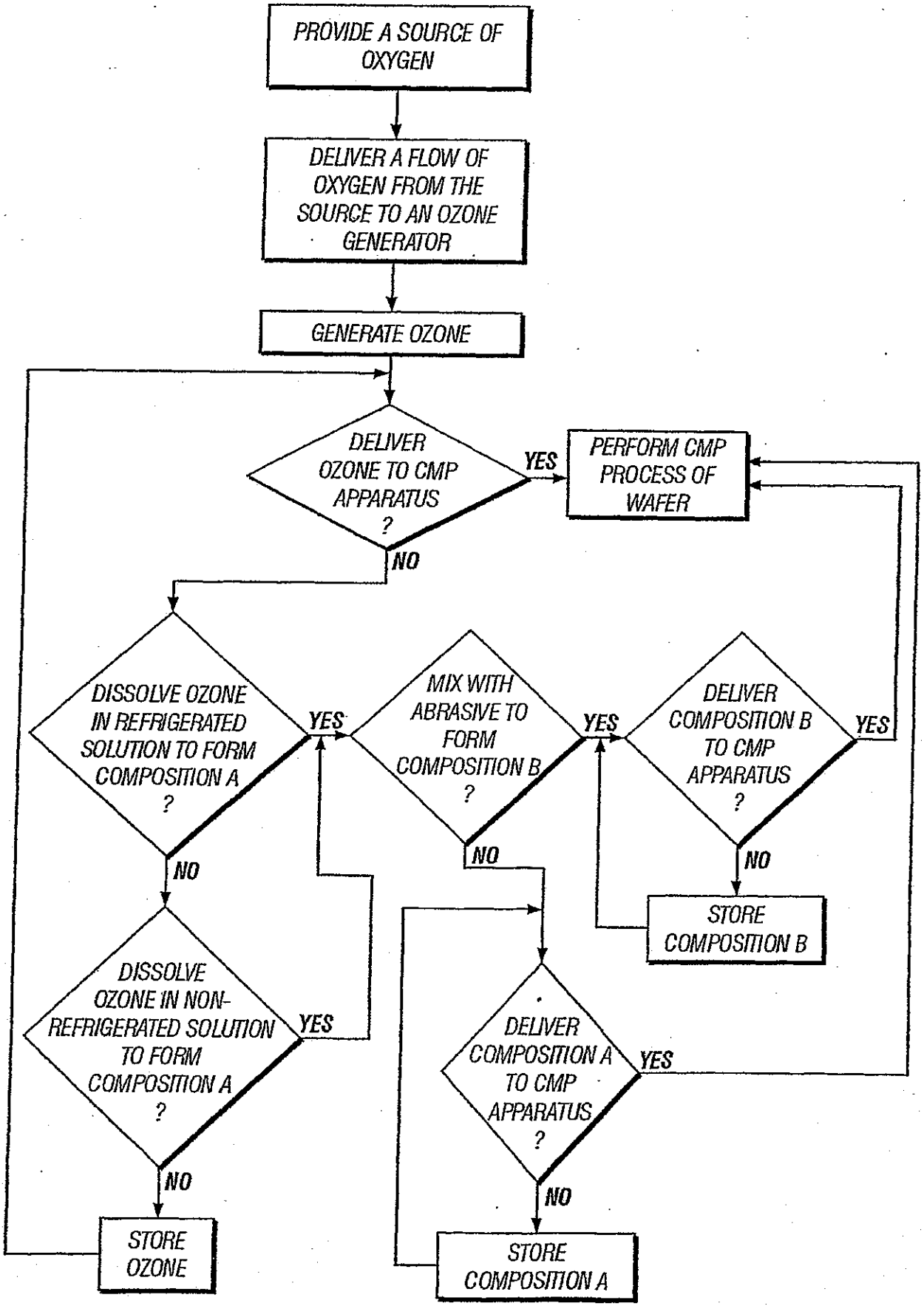

PROVIDE A SOURCE OF OXYGEN
DELIVER A FLOW OF OXYGEN FROM THE SOURCE TO AN OZONE GENERATOR
GENERATE OZONE
DELIVER OZONE TO CMP APPARATUS ?
YES
PERFORM CMP PROCESS OF WAFER
NO
DISSOLVE OZONE IN REFRIGERATED SOLUTION TO FORM COMPOSITION A ?
YES
MIX WITH ABRASIVE TO FORM COMPOSITION B ?
YES
DELIVER COMPOSITION B TO CMP APPARATUS ?
YES
NO
NO
STORE COMPOSITION B
DISSOLVE OZONE IN NON-REFRIGERATED SOLUTION TO FORM COMPOSITION A ?
YES
DELIVER COMPOSITION A TO CMP APPARATUS ?
YES
NO
NO
STORE OZONE
STORE COMPOSITION A

FIG. 4