

The diagram illustrates a complex mechanical and control system. Key components include:

- 10**: The overall system or device.
- 20**: A control unit connected to the main assembly via lines 14 and 16.
- 24**: The main housing or body of the device.
- 26**: A central vertical shaft or piston rod.
- 28**: A component at the top of the shaft, possibly a valve or seal.
- 30**: A component at the bottom of the shaft, possibly a seal or valve.
- 32**: A component on the side of the shaft, possibly a port or sensor.
- 34**: A tube or conduit connecting the air feed device to the shaft.
- 35**: An air feed device.
- 36**: An air feed drive unit.
- 38**: A component at the bottom of the shaft, possibly a seal or valve.
- 40**: A component on the side of the shaft, possibly a port or sensor.
- 42**: A valve assembly or piston head.
- 44**: A component on the side of the shaft, possibly a port or sensor.
- 46**: A component on the side of the shaft, possibly a port or sensor.
- 48**: A component on the side of the shaft, possibly a port or sensor.
- 50**: A piston or valve component.
- 52**: A component at the top of the shaft, possibly a valve or seal.
- 54**: A component on the side of the shaft, possibly a port or sensor.
- 58**: A component on the side of the shaft, possibly a port or sensor.
- 60**: A component on the side of the shaft, possibly a port or sensor.
- 62**: A component on the side of the shaft, possibly a port or sensor.
- 64**: A component on the side of the shaft, possibly a port or sensor.
- 66**: A component on the side of the shaft, possibly a port or sensor.
- 68**: A motor or actuator at the top of the shaft.
- 70**: A component at the top of the shaft, possibly a valve or seal.
- 72**: A component at the bottom of the shaft, possibly a seal or valve.
- 74**: A component on the side of the shaft, possibly a port or sensor.
- 76**: A component on the side of the shaft, possibly a port or sensor.
- 78**: A component on the side of the shaft, possibly a port or sensor.
- 80**: A personal computer connected to the control unit and the air feed drive unit.

FIG.2

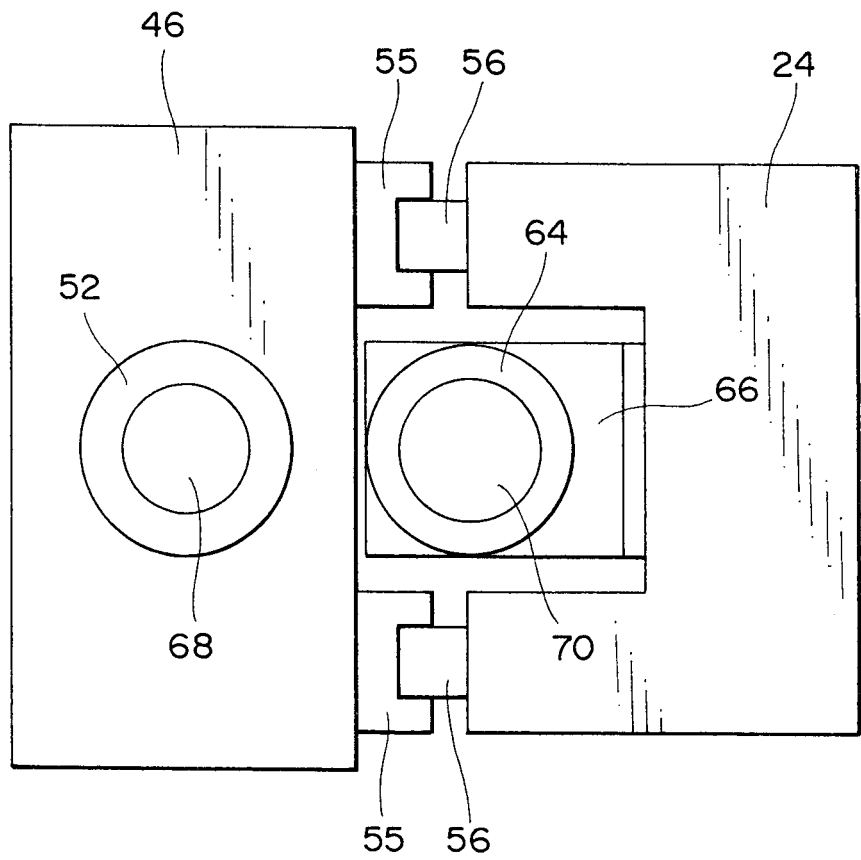


FIG.3

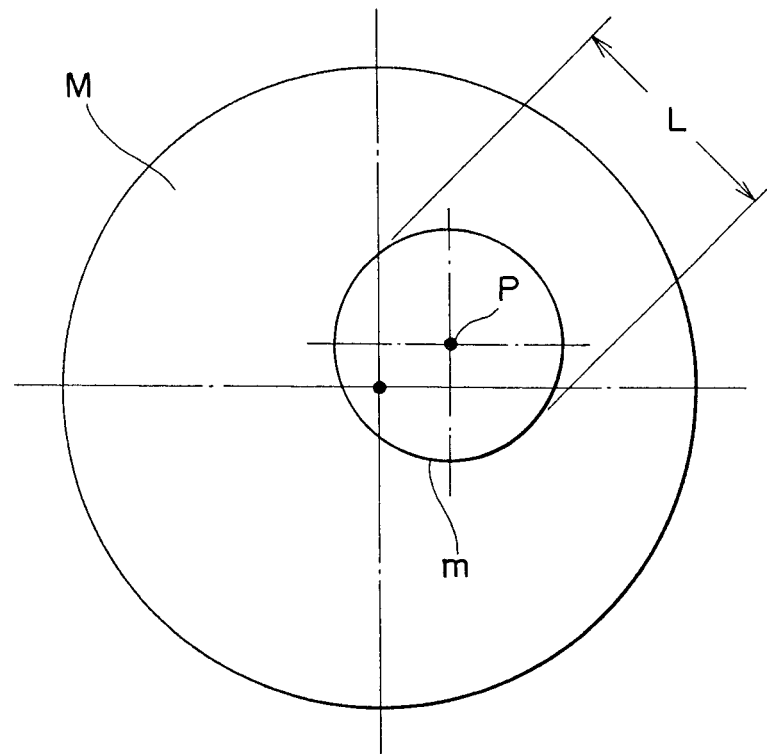


FIG.4

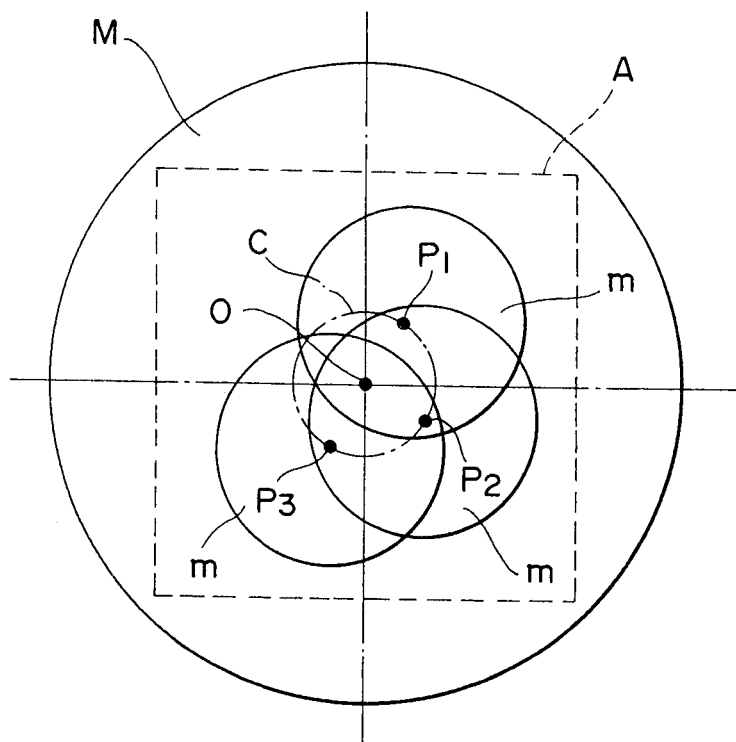


FIG.5

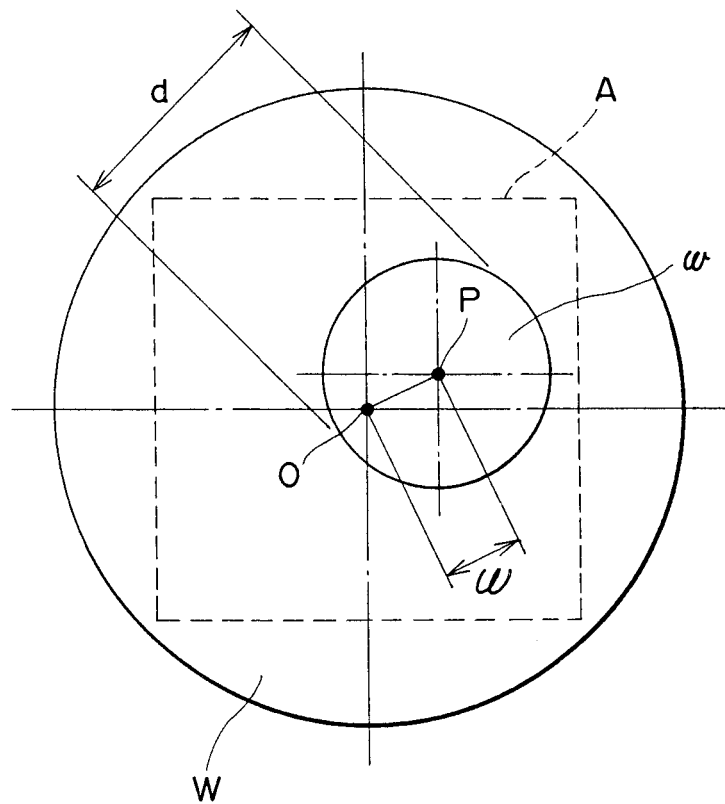


FIG.6(b)

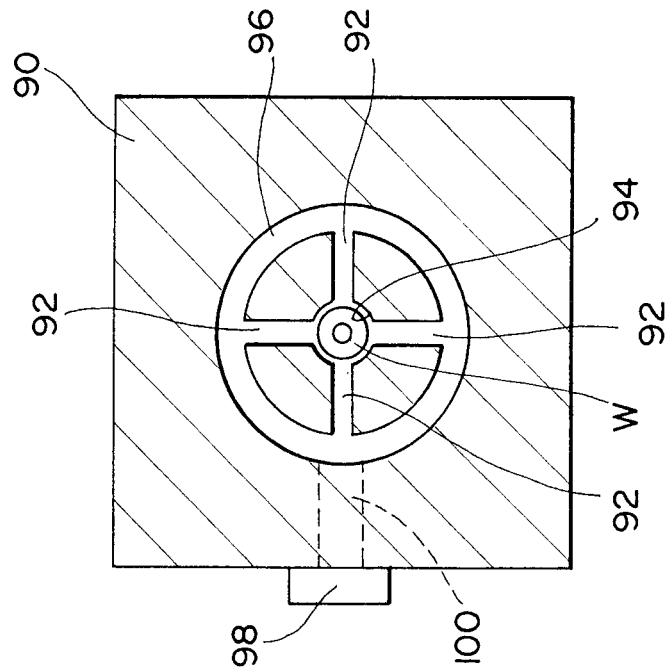
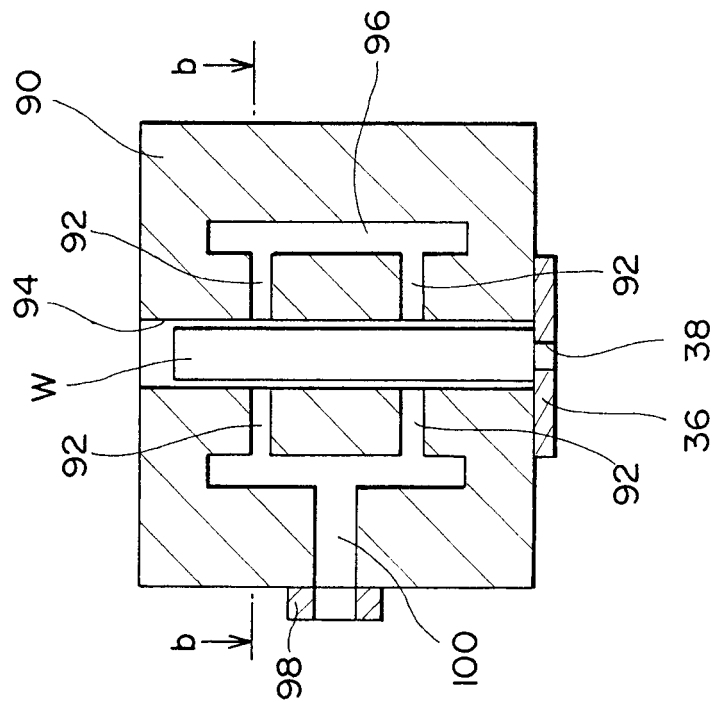


FIG.6(a)



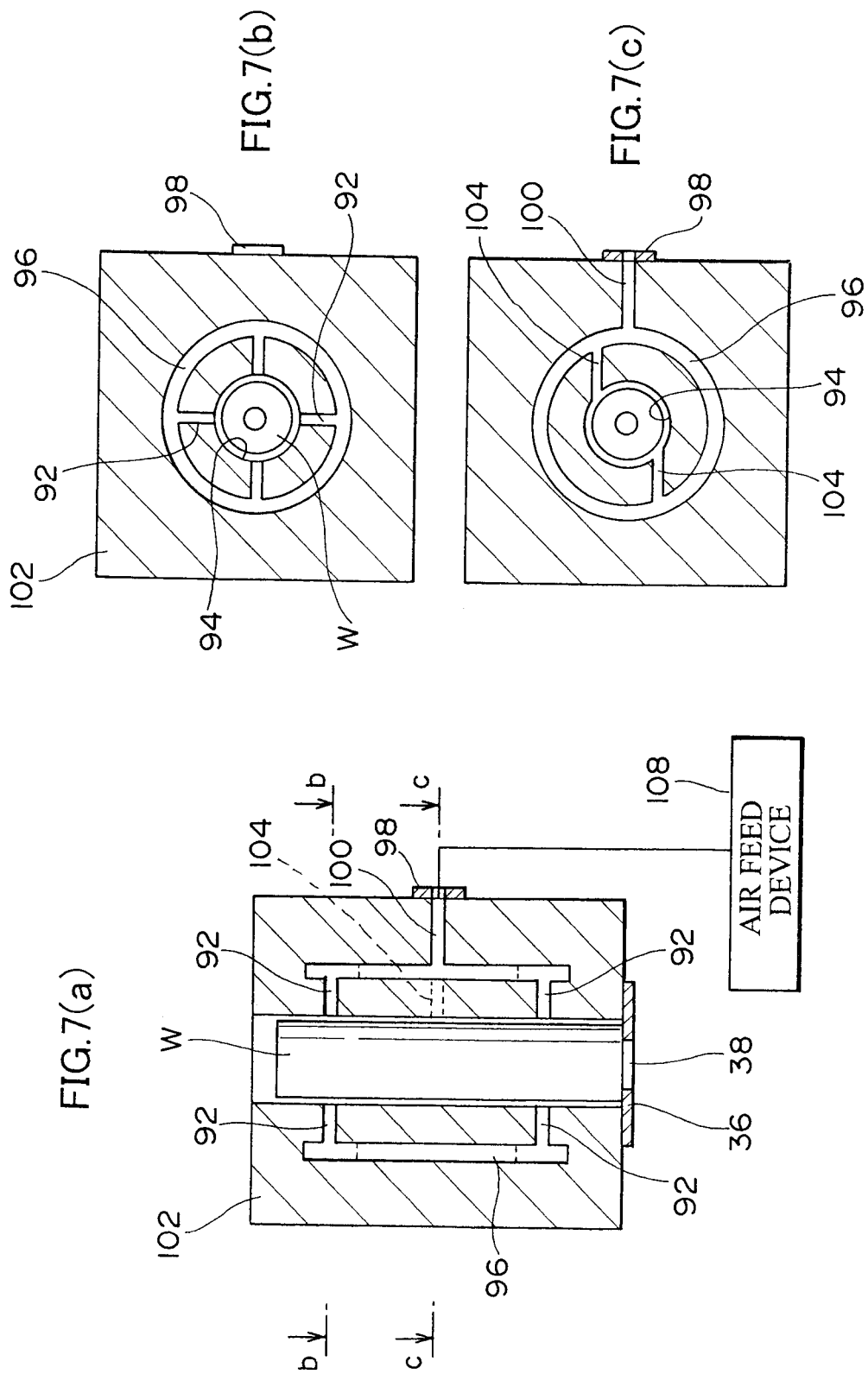


FIG.8(a)

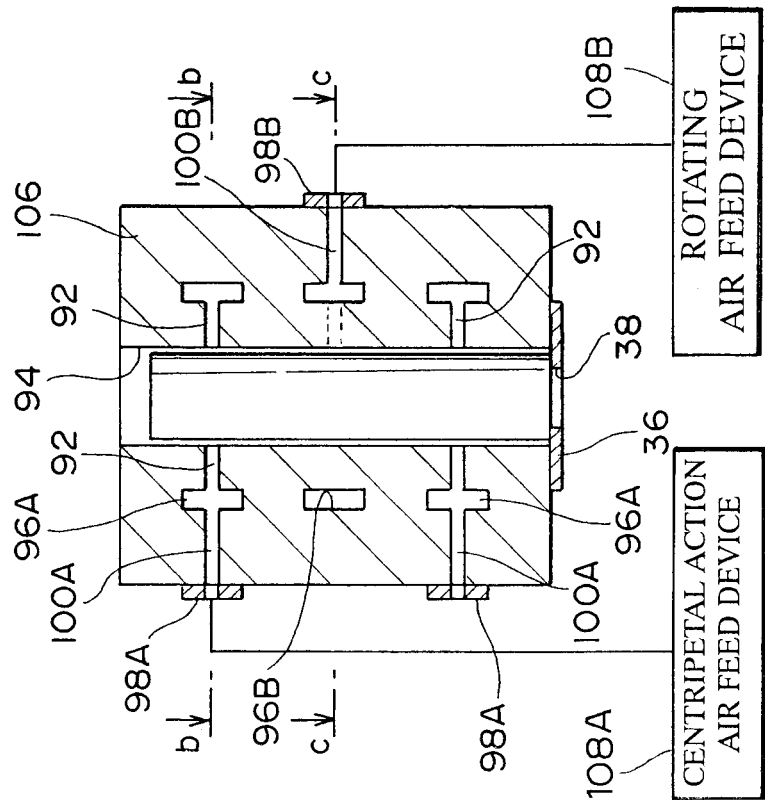


FIG.8(b)

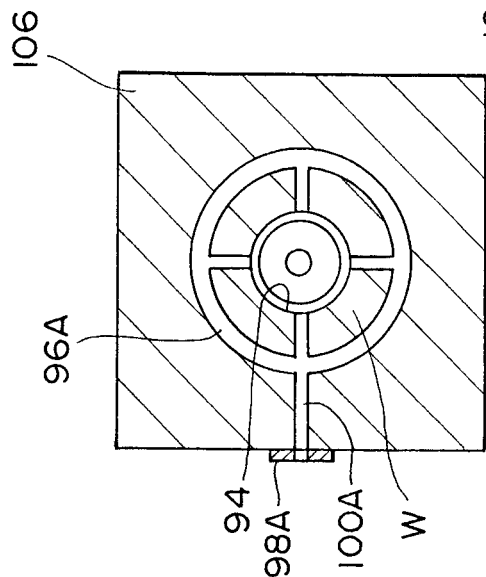


FIG.8(c)

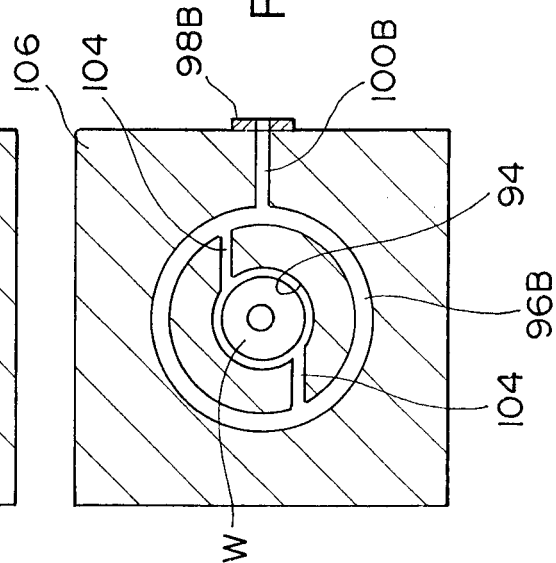


FIG.9

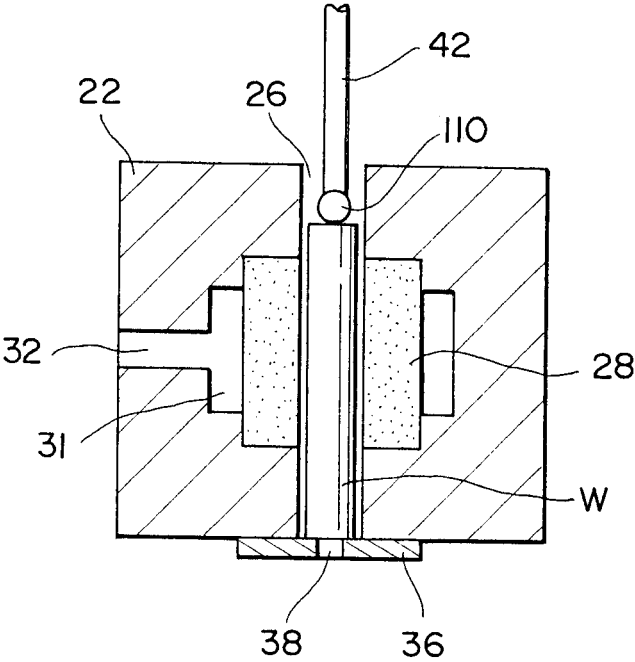


FIG.10

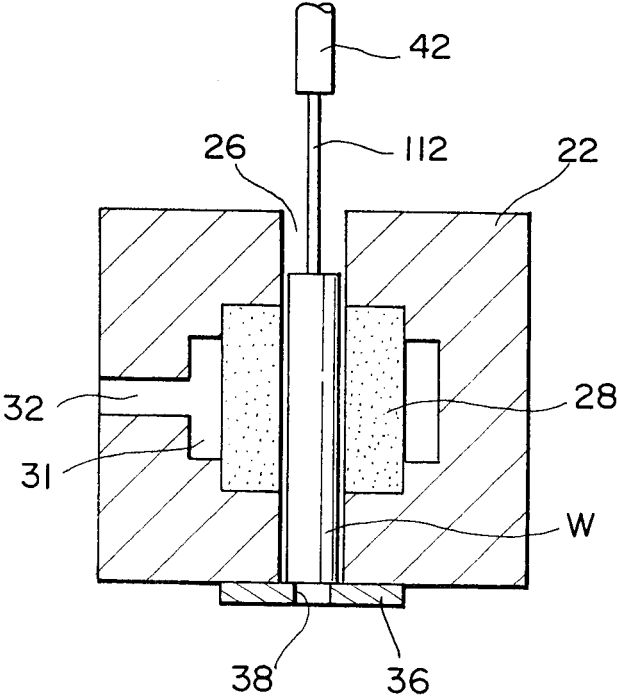


FIG.11

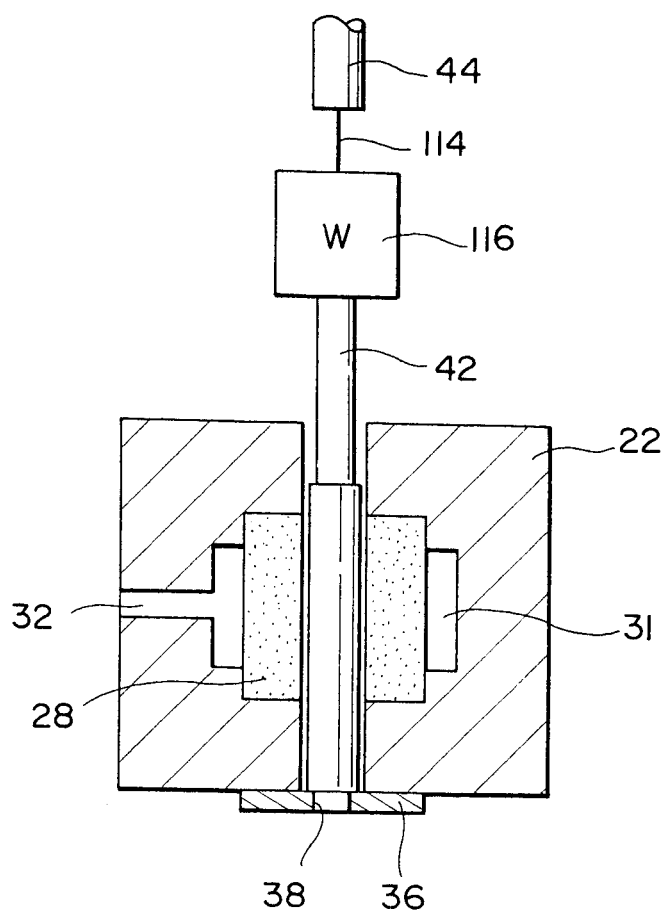


FIG.12

