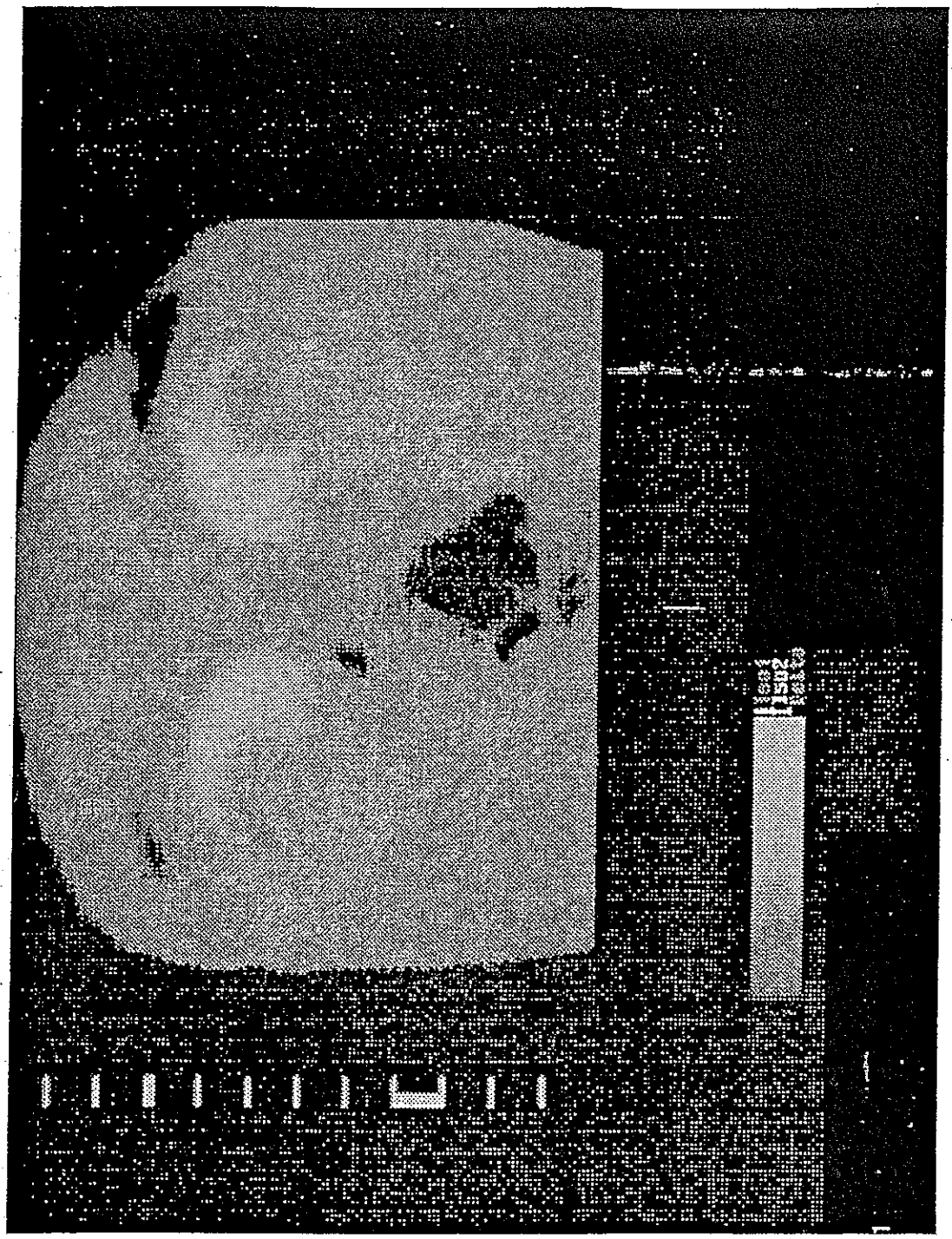


FIG. 1A

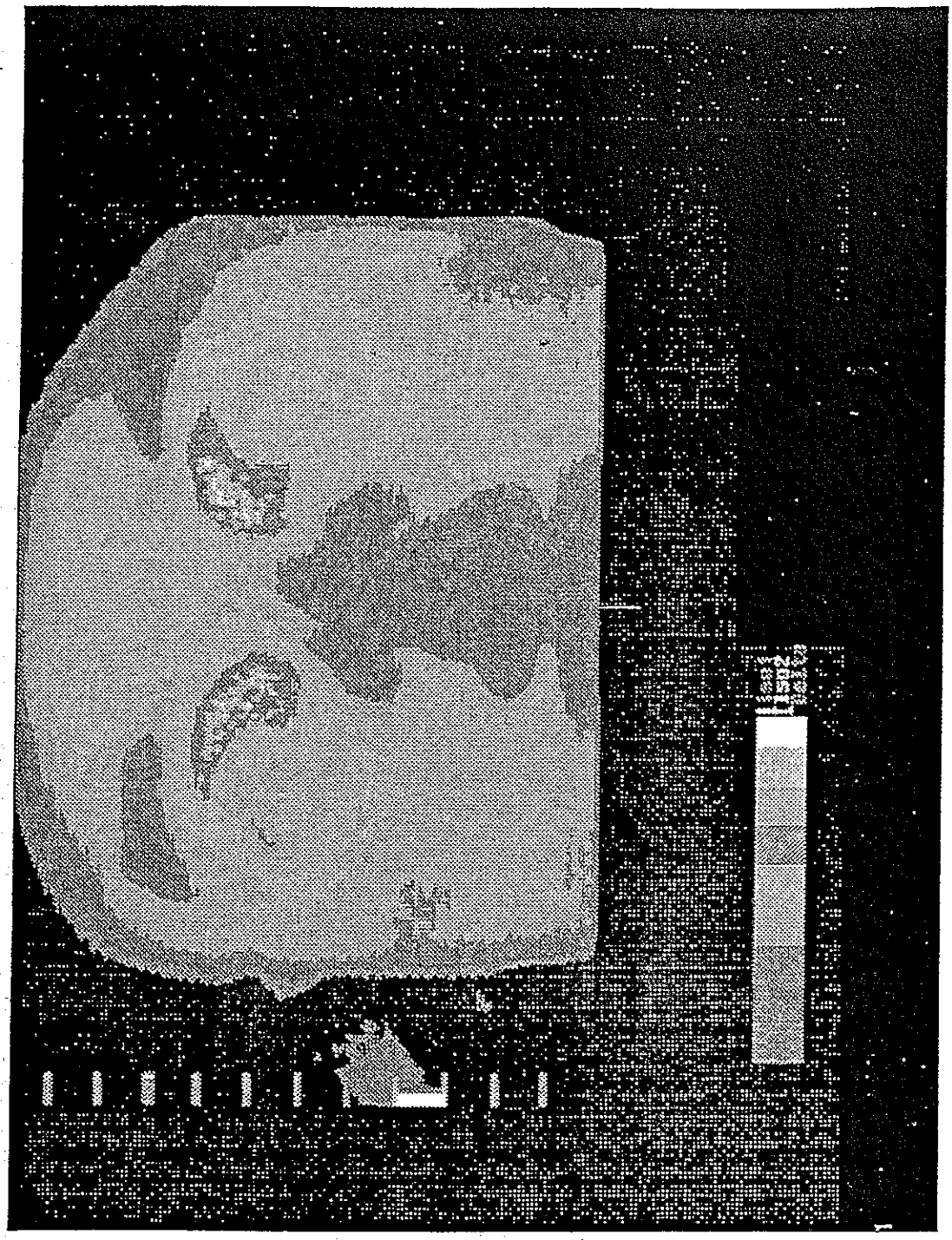


FIG. 1B

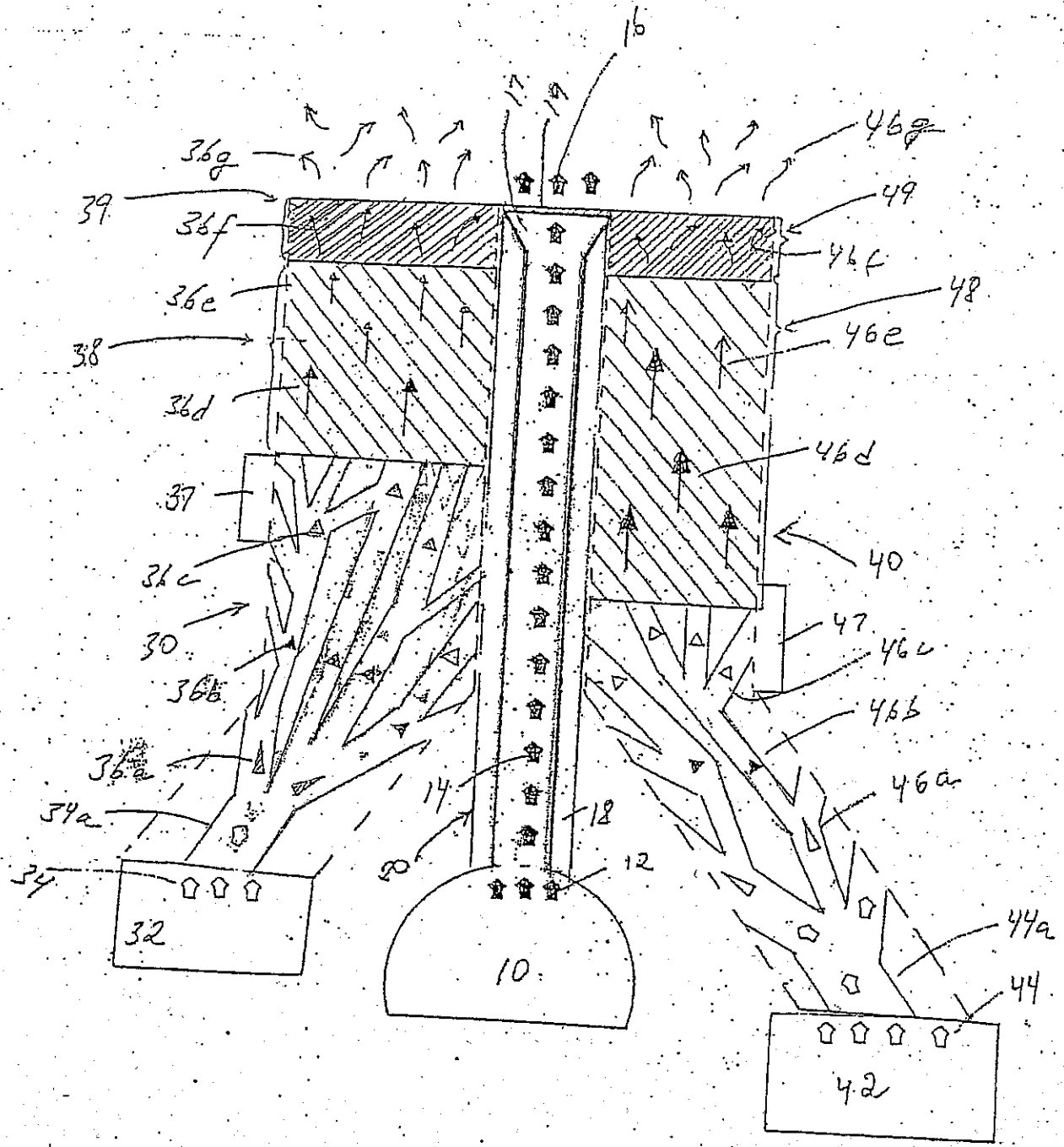

16
36g
46g
39
36f
49
46f
36e
48
38
46e
36d
46d
37
40
36c
47
30
46c
36b
46b
36a
14
46a
34a
18
20
12
34
32
10
44a
44
42

Fig. 2A

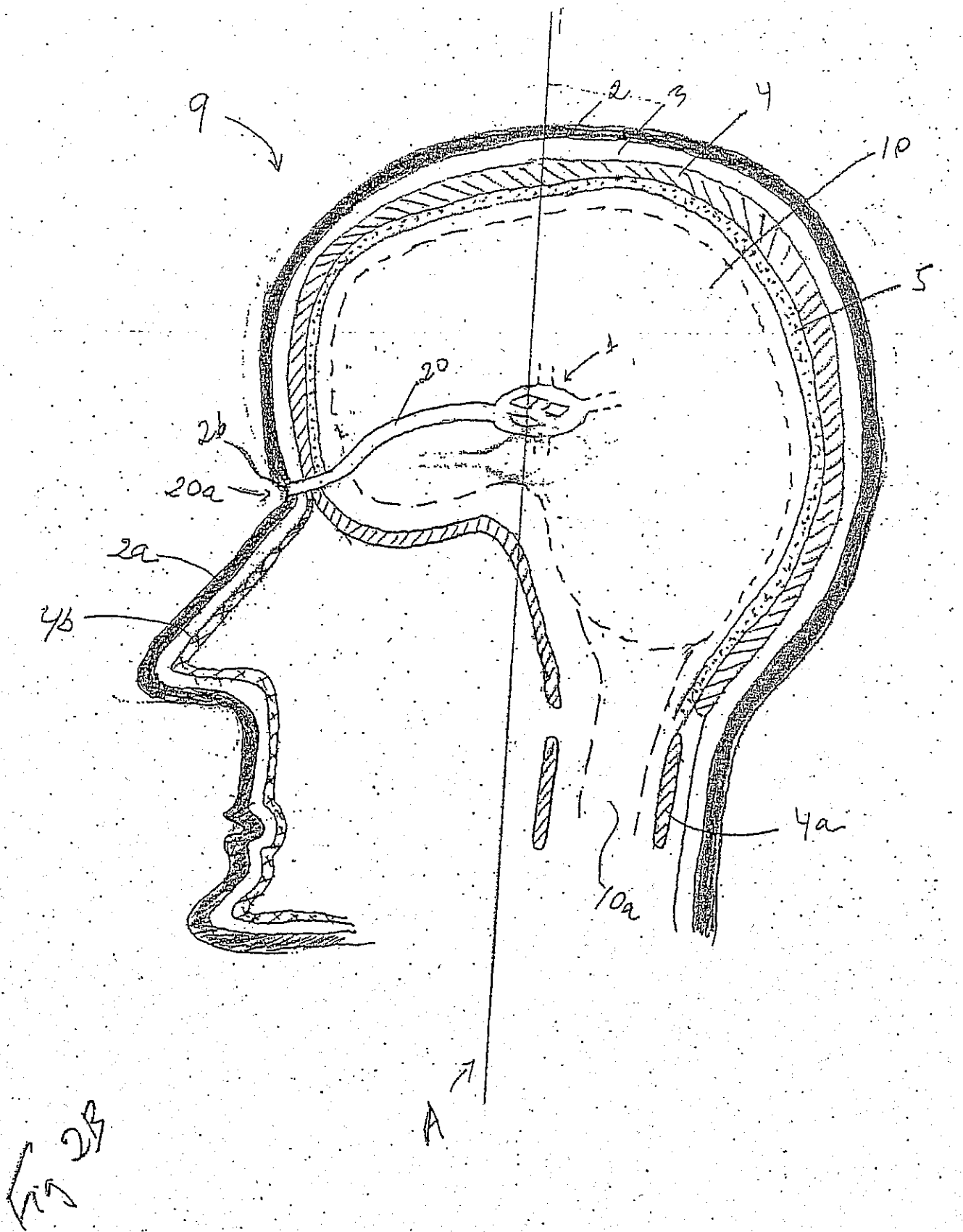


Fig 2B

Fig 2C

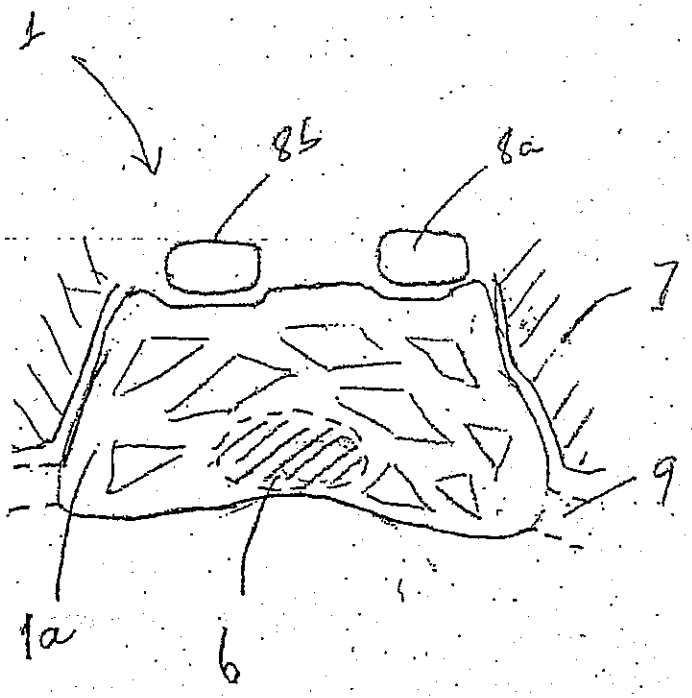




FIG. 3A

Fig 3B

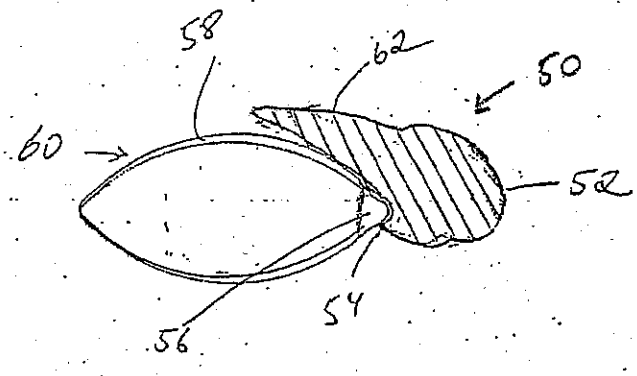
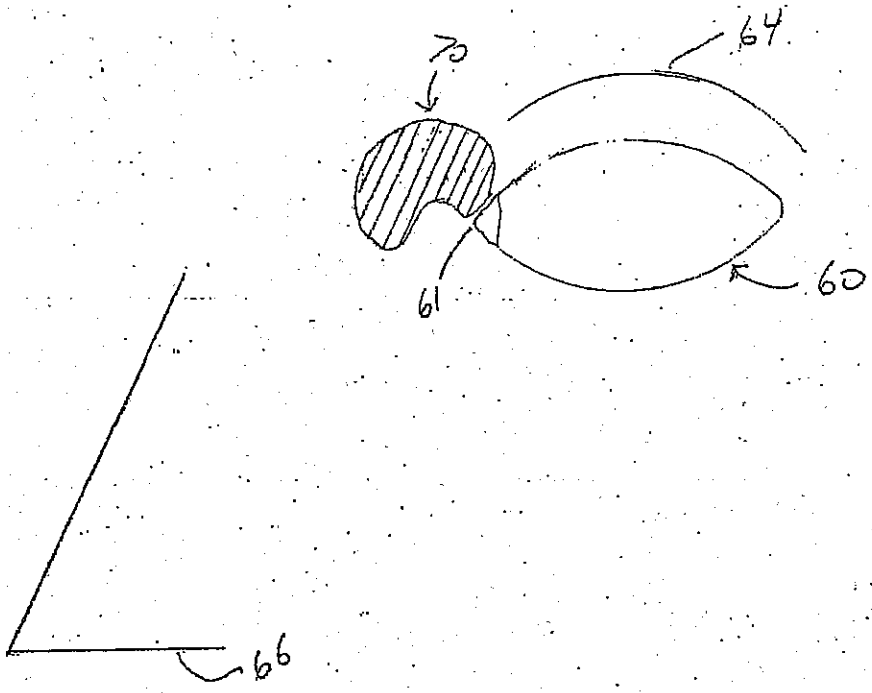




FIG. 4A

Fig 4B



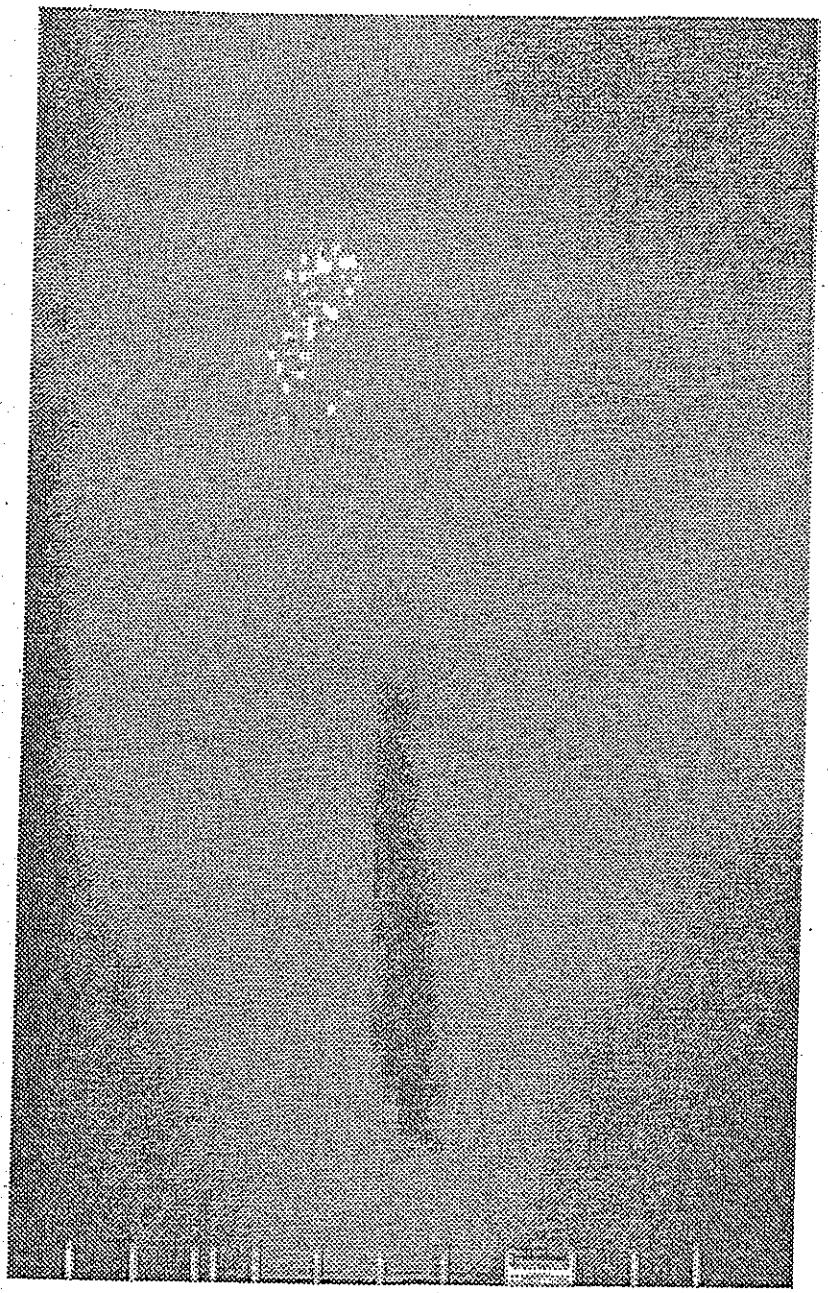


FIG. 5A

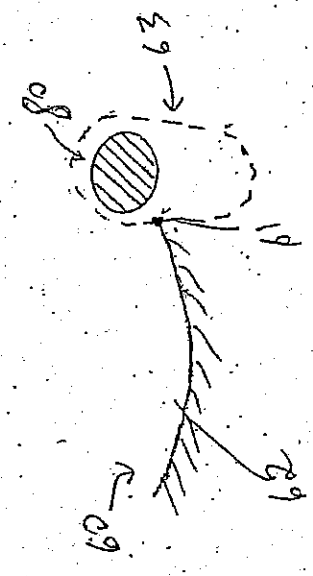


Fig. 5A

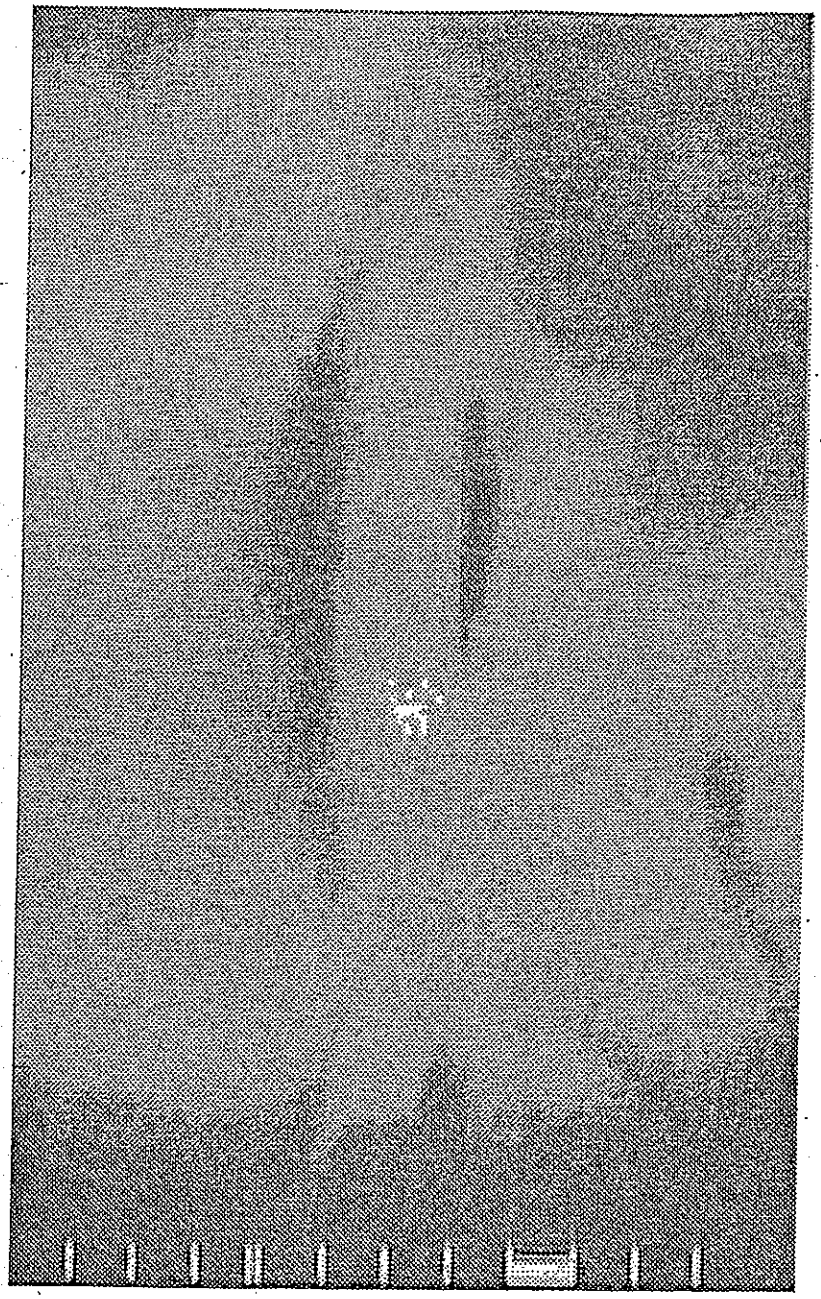


FIG. 5C

Fig 5D

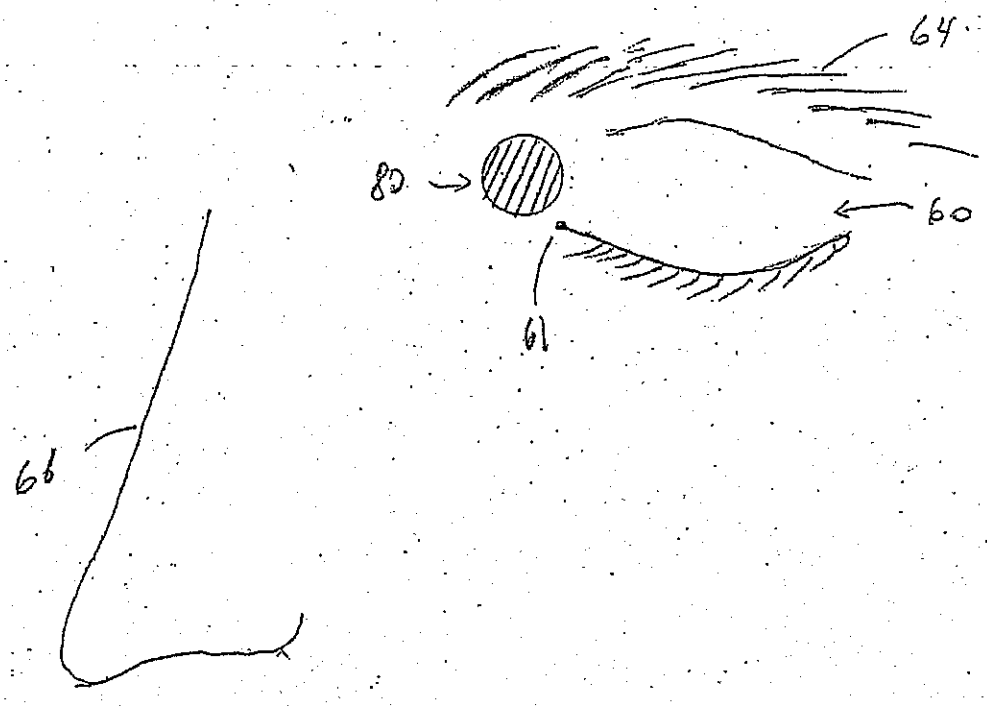


Fig 6

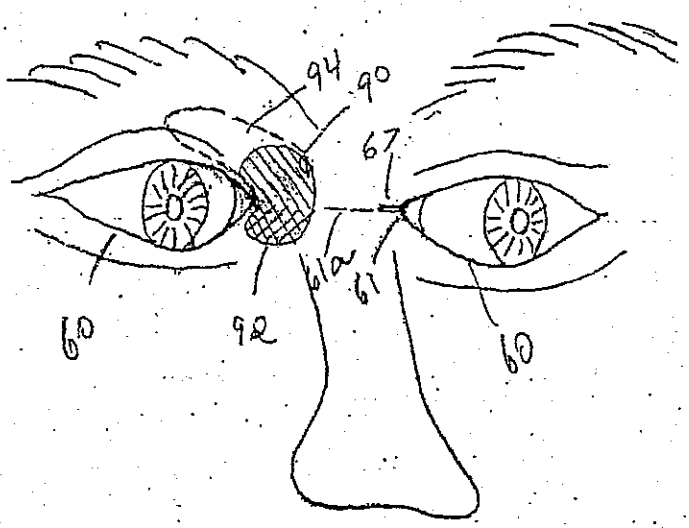
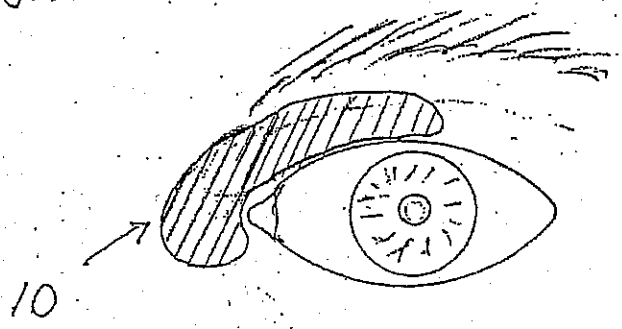
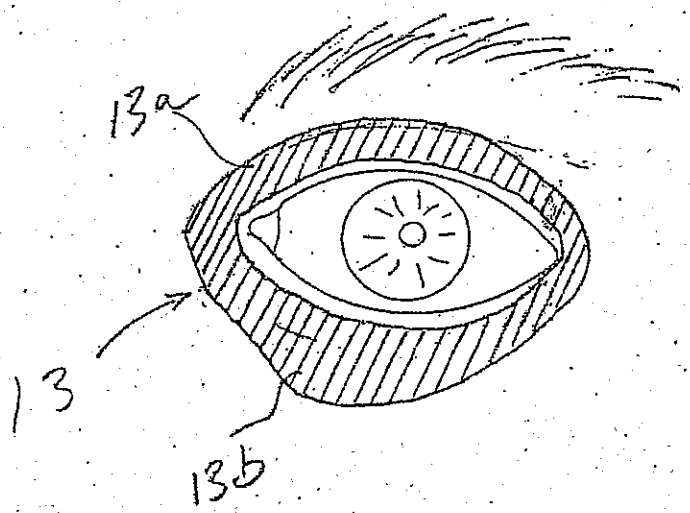


Fig 6A.





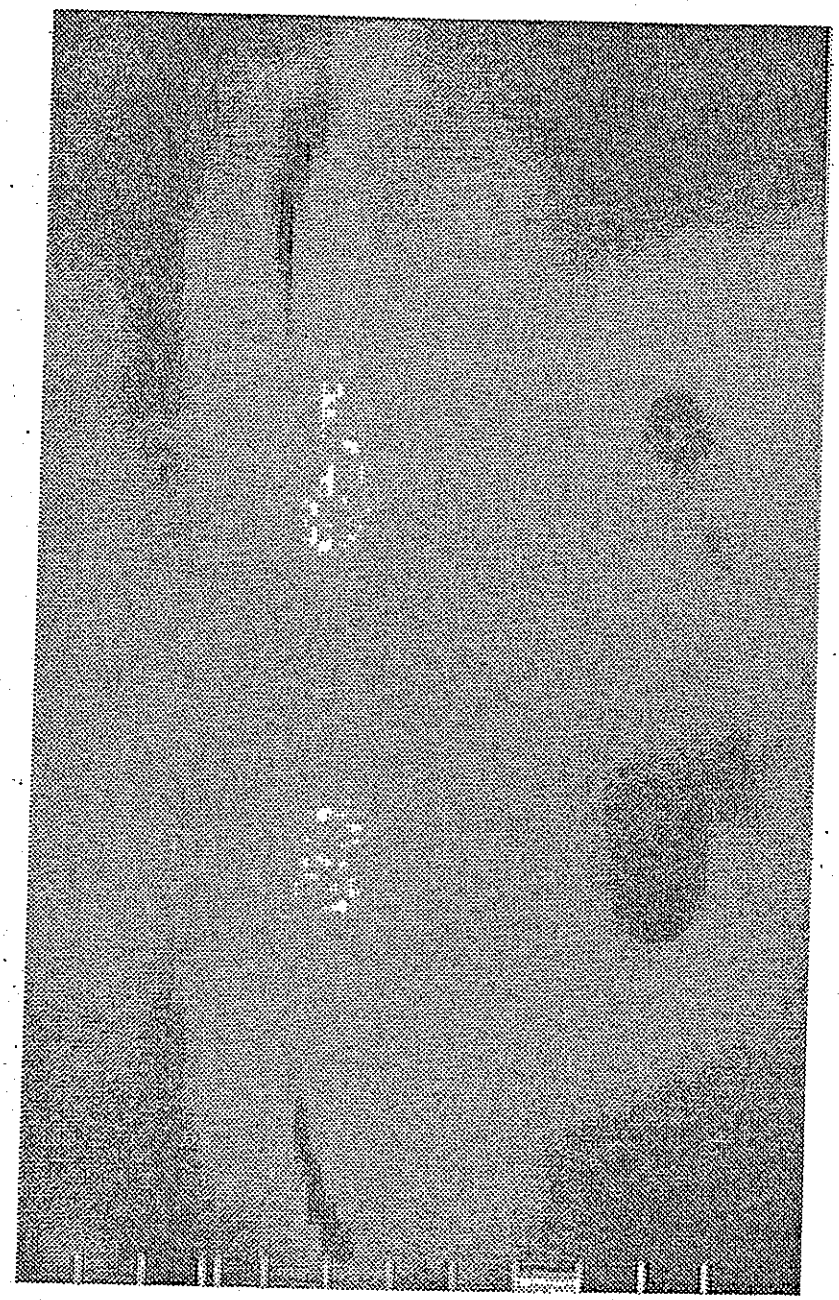


FIG. 7A



FIG. 7B

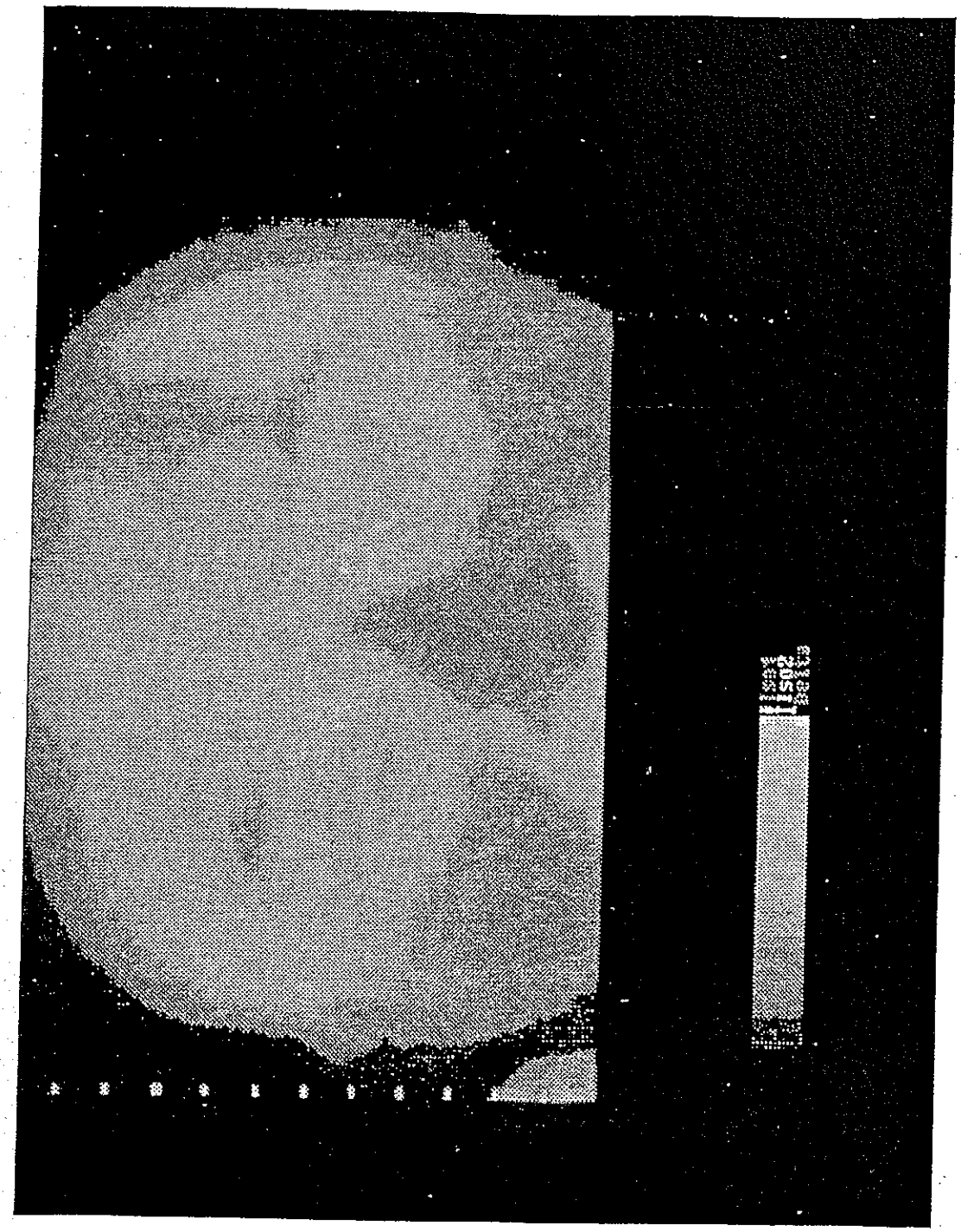


FIG. 8A

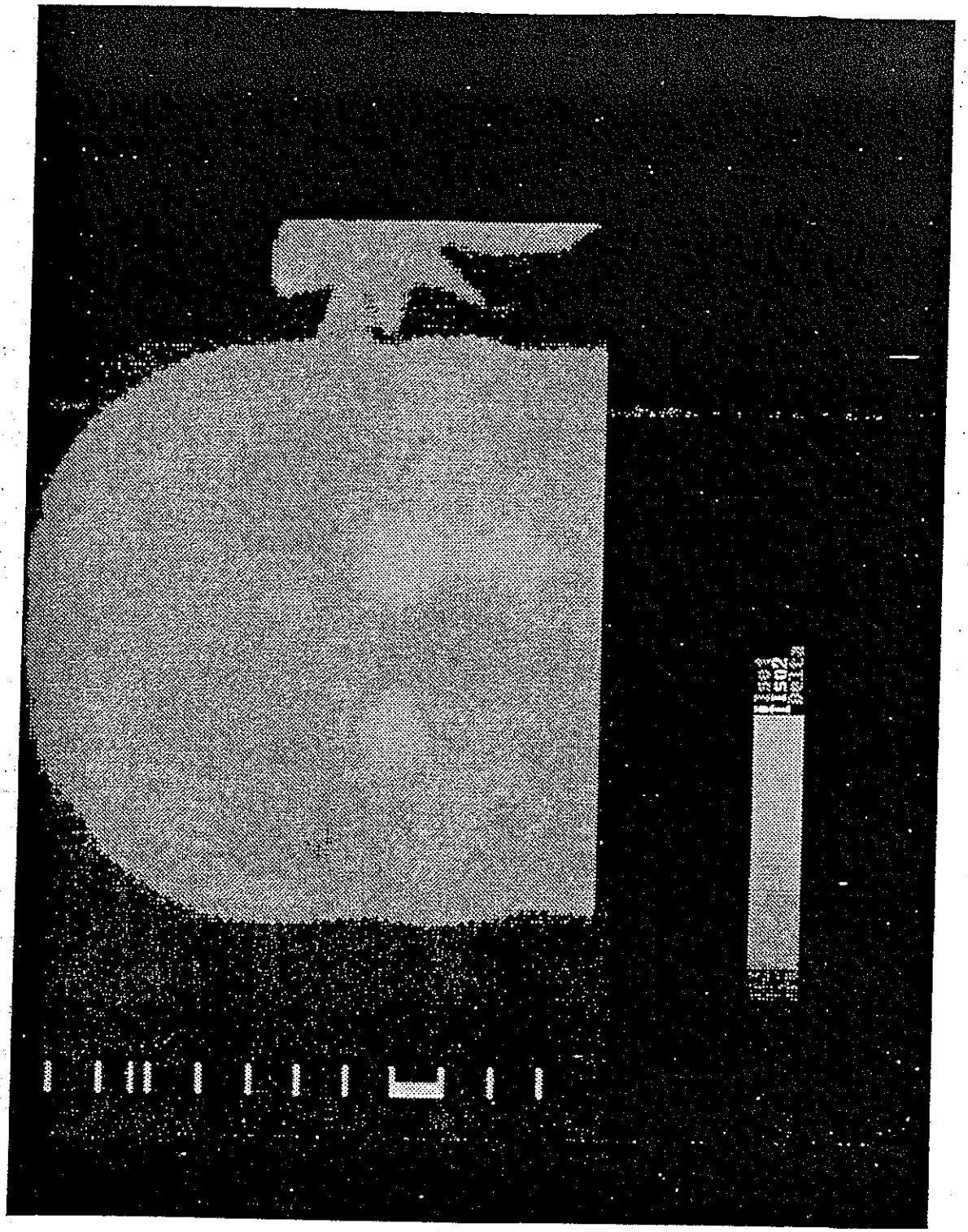


FIG. 8B

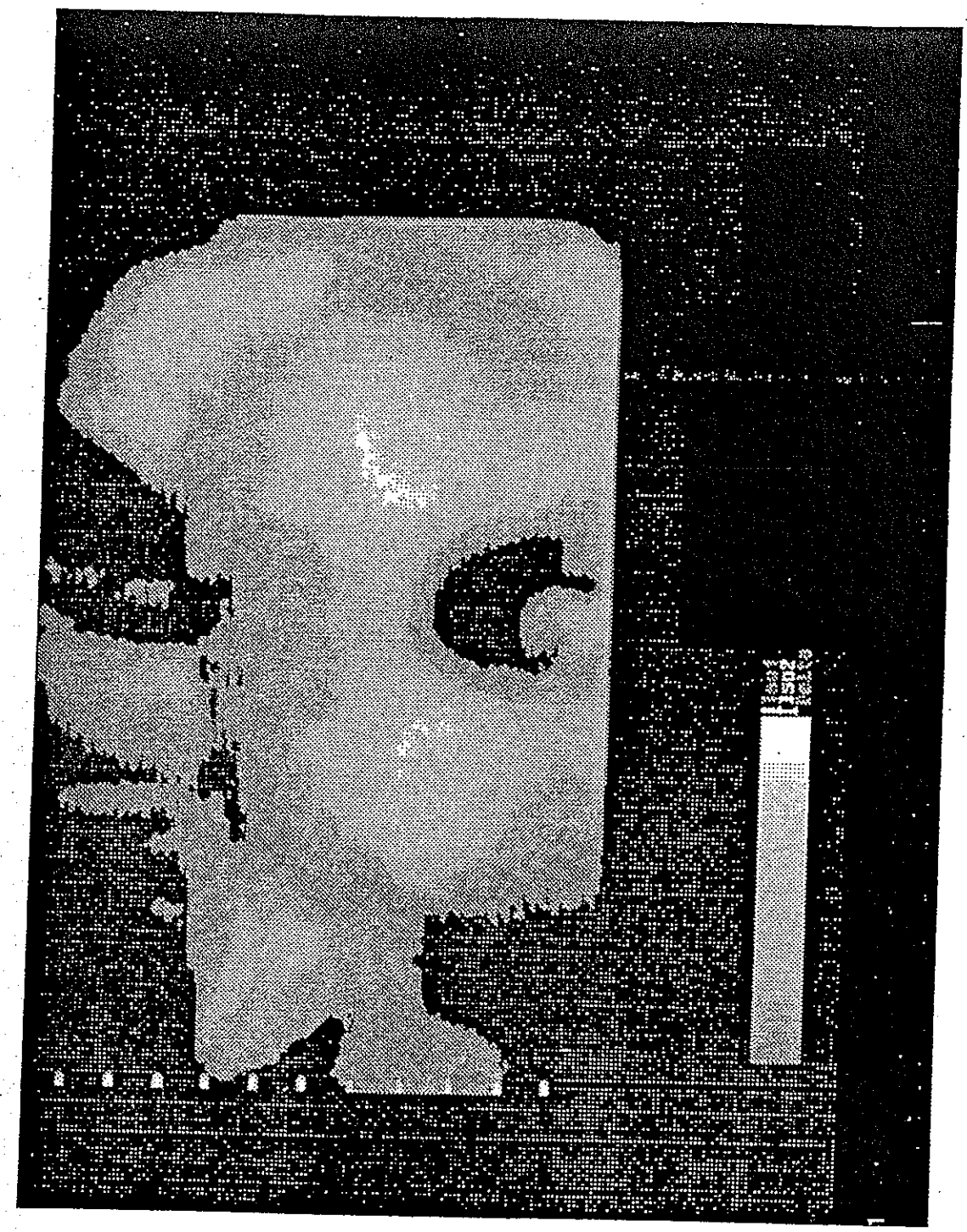


FIG. 9A

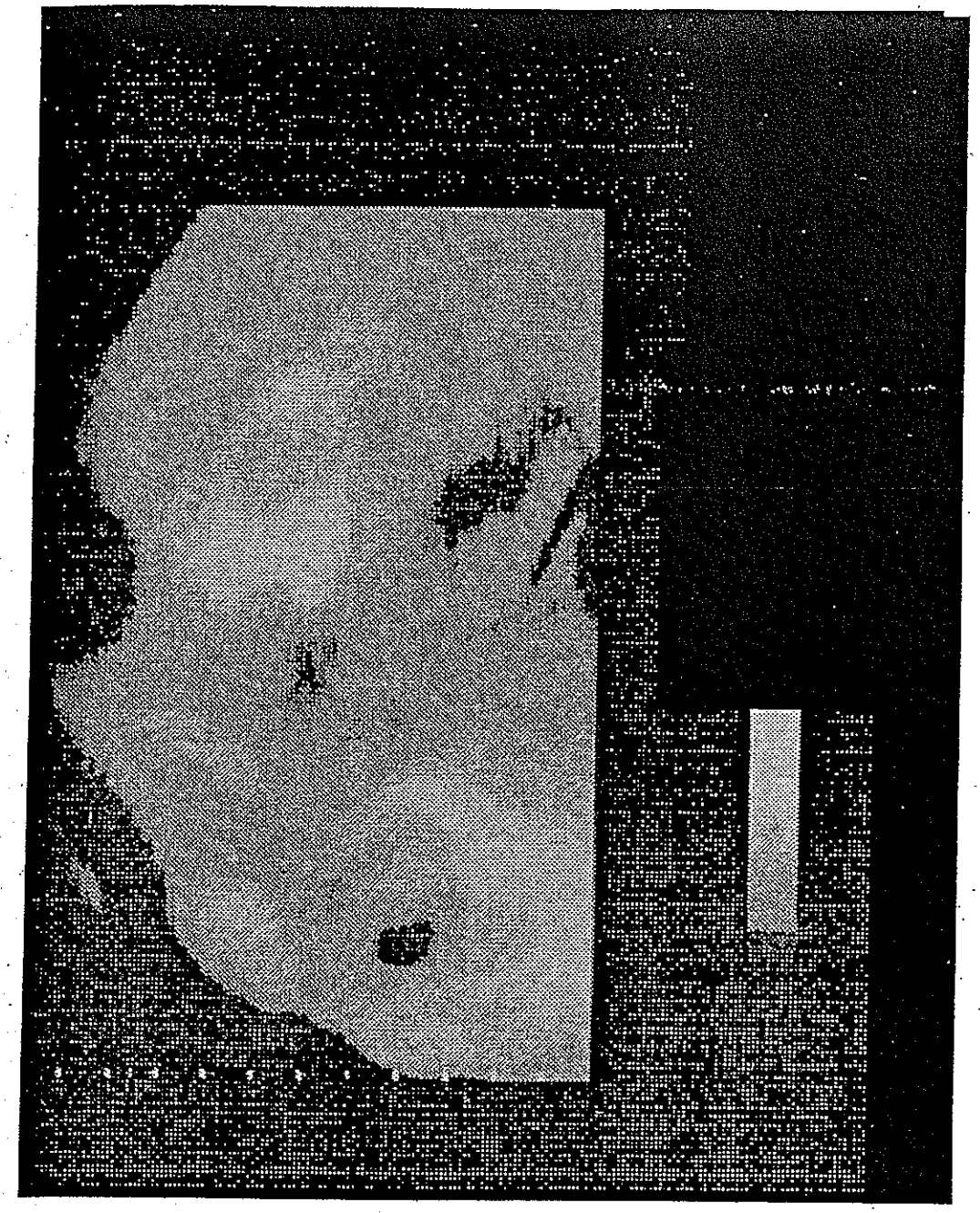


FIG. 9B

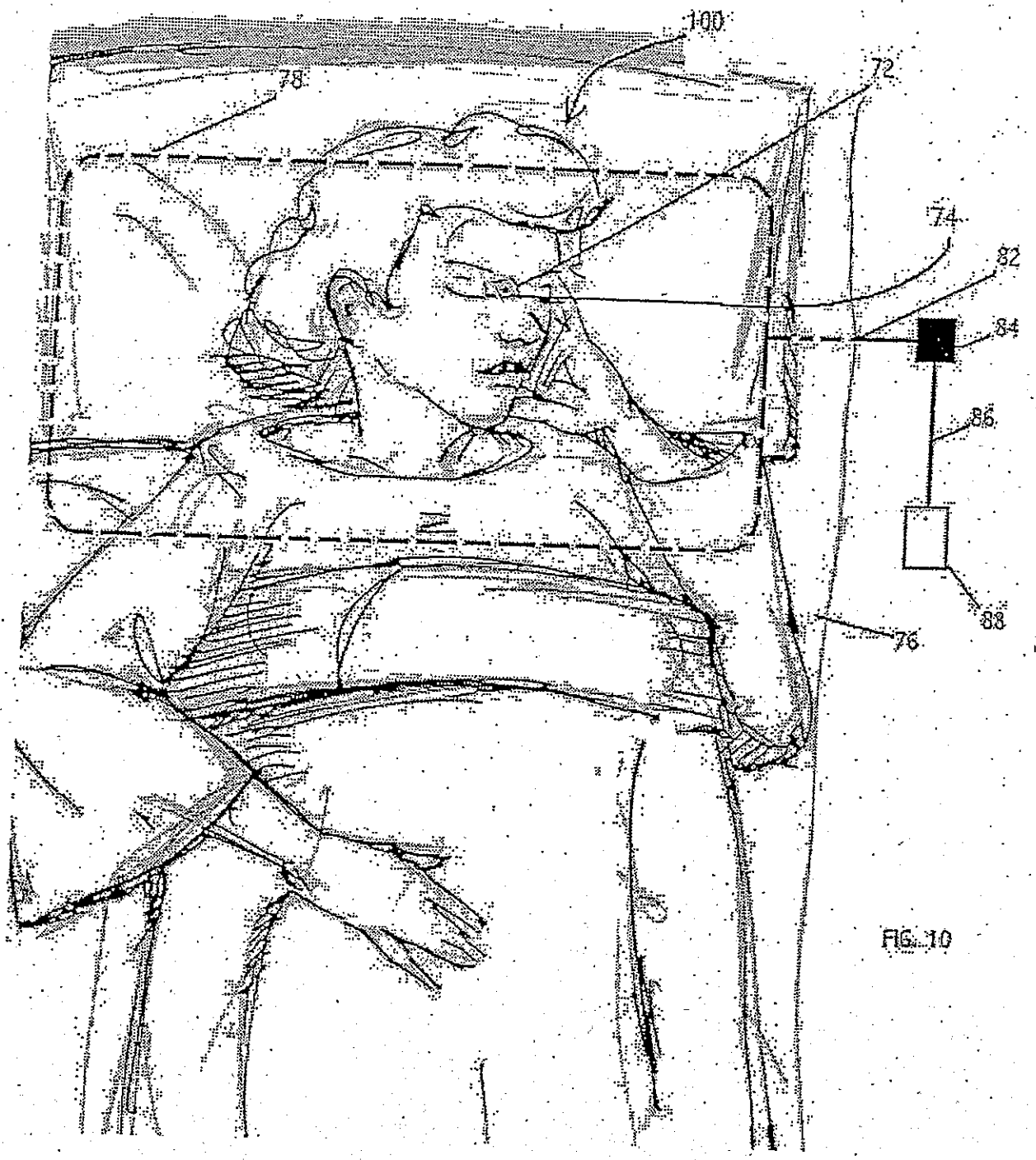


FIG. 10



FIG. 11

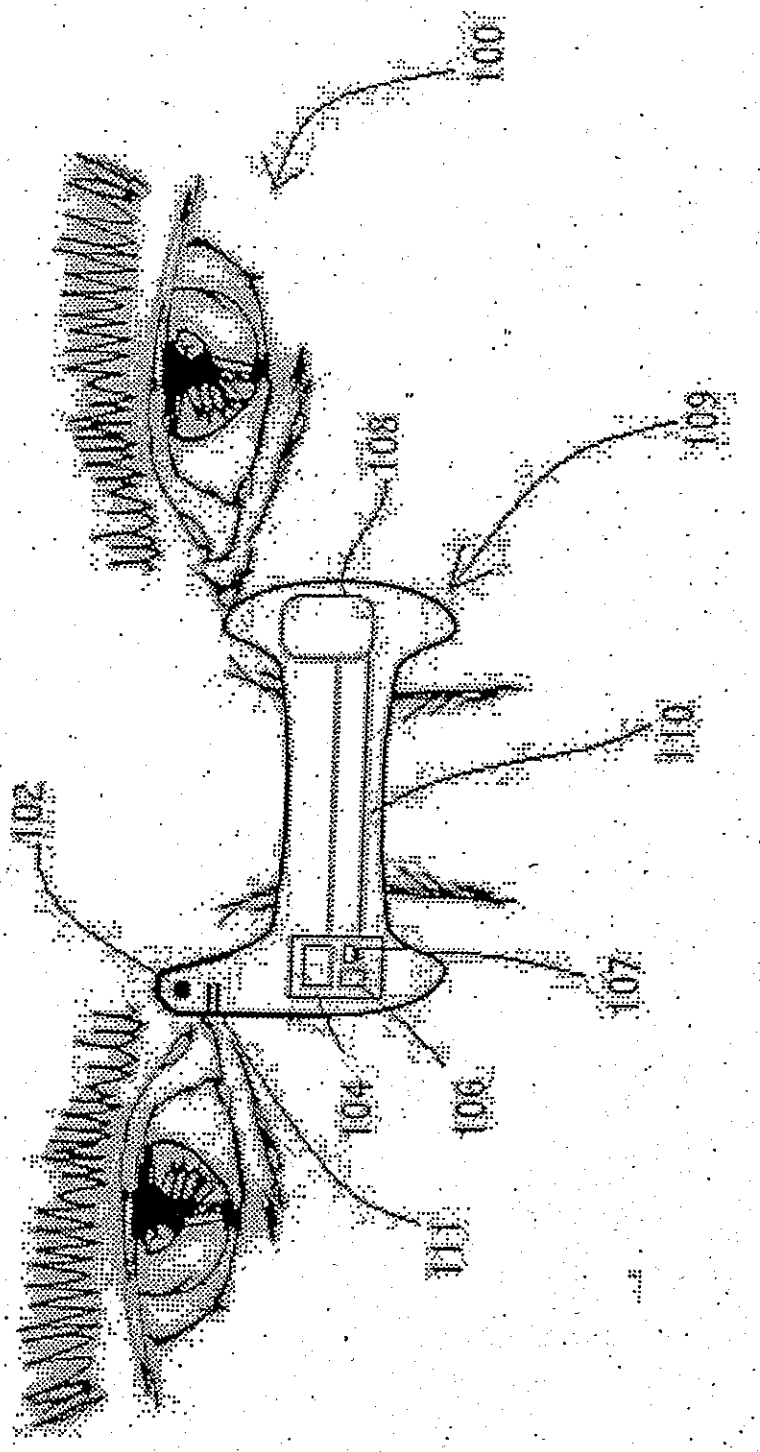


FIG. 12A

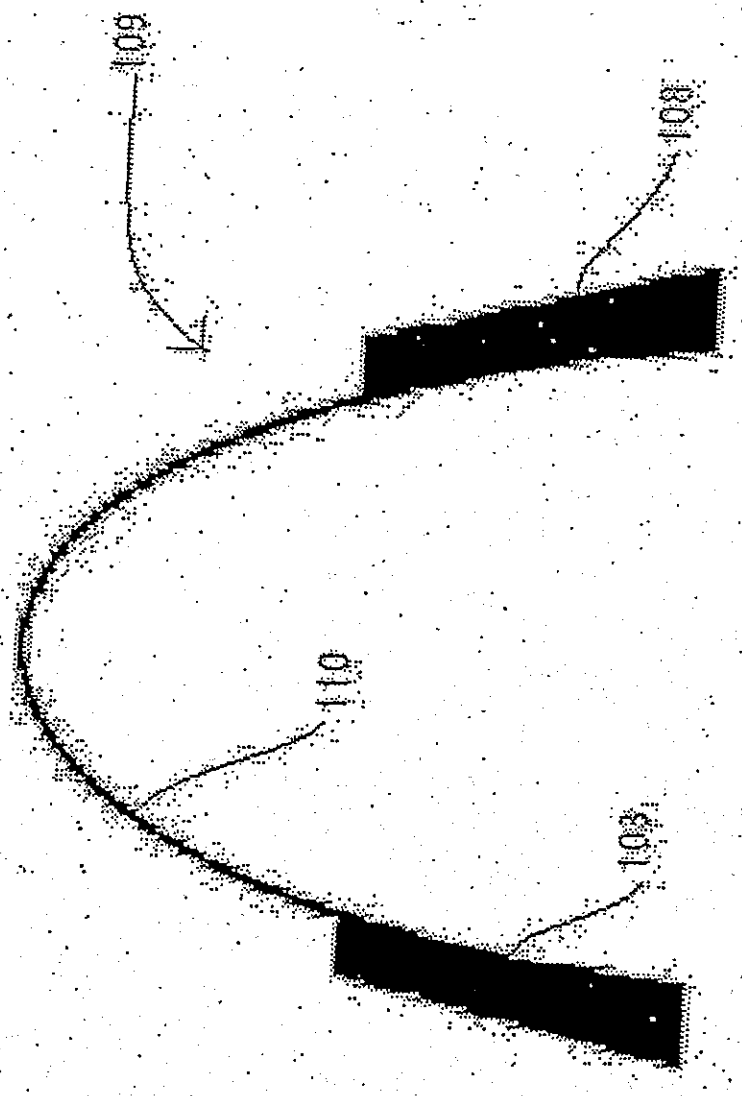


FIG. 12B

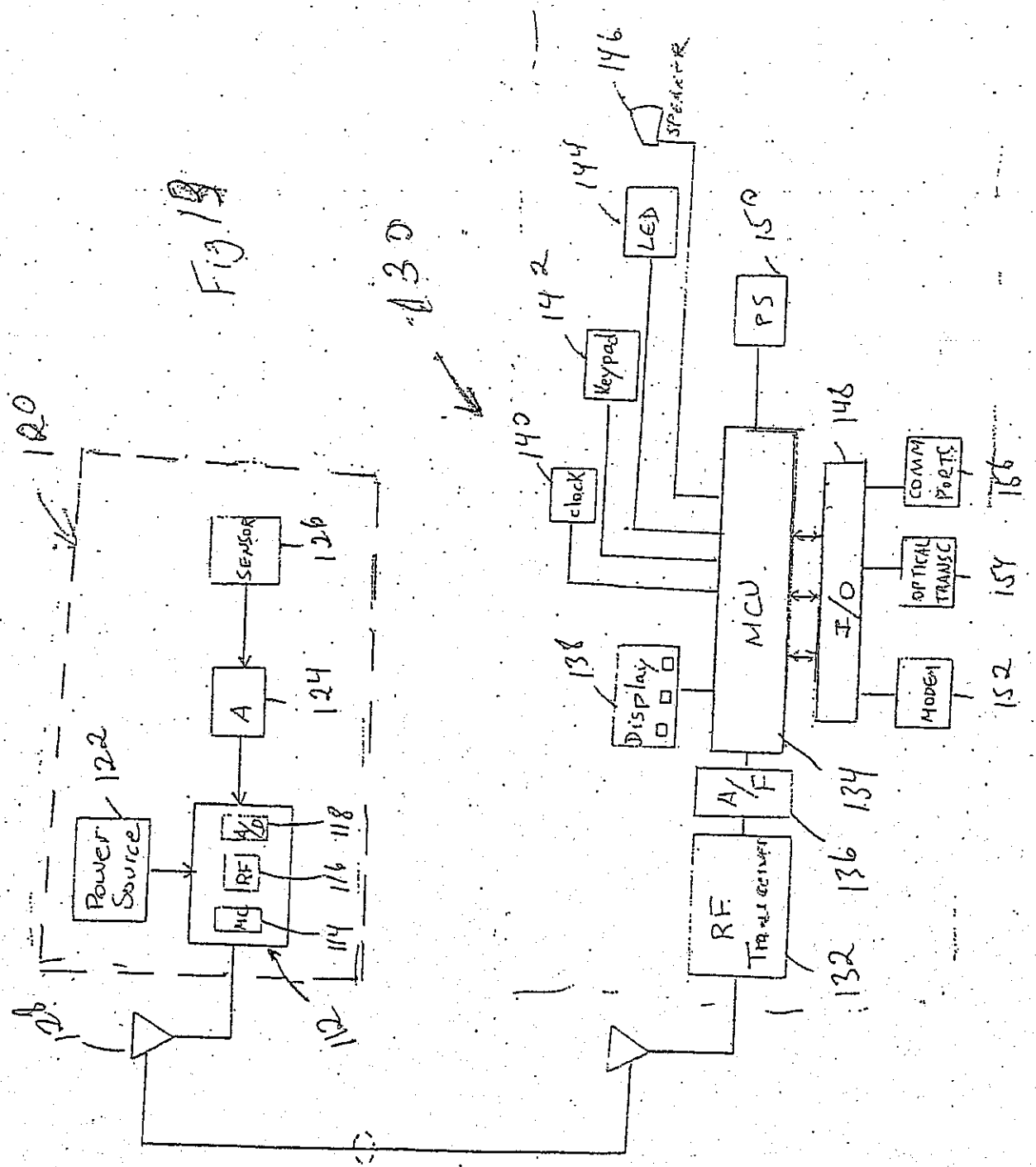

Power Source
RF
MD
SENSOR
A
MCU
I/O
RF Transceiver
A/F
Display
clock
Keypad
LED
SPEAKER
PS
COMM PORTS
OPTICAL TRANSC
MODEM

Fig. 14

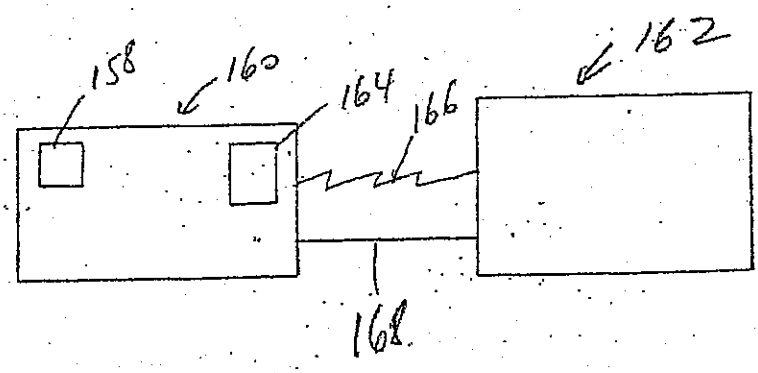


Fig 15A

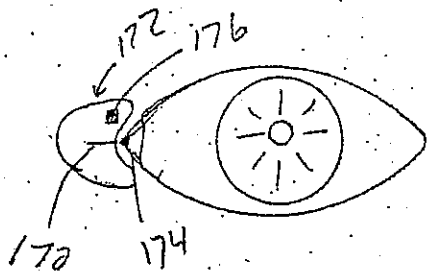


Fig 15B

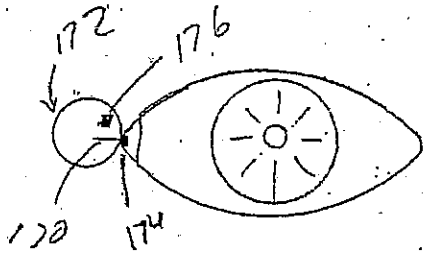


Fig 15C

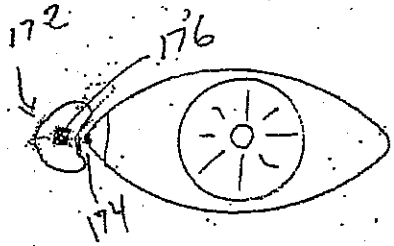


Fig 15D

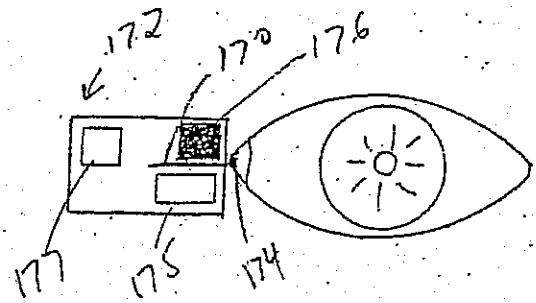
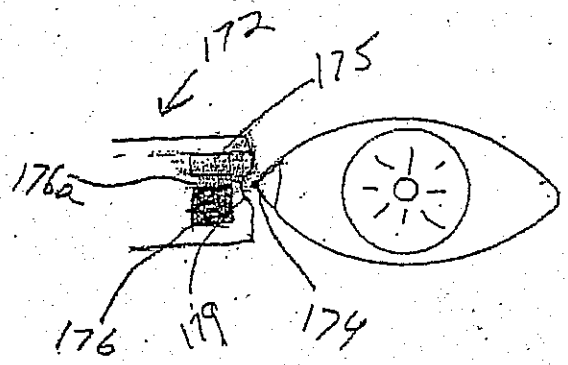


Fig 15E



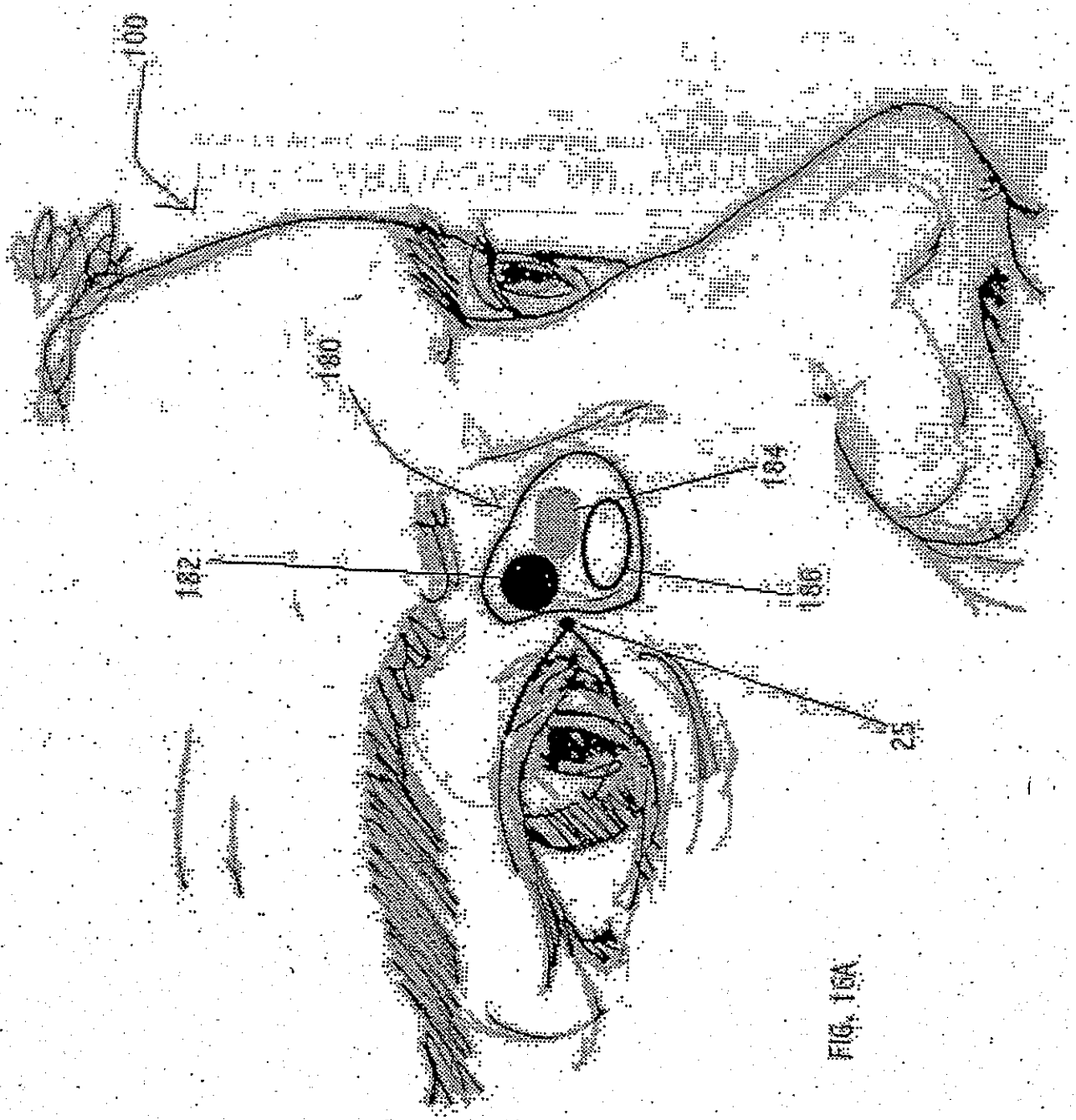


FIG. 10A

Fig 18B



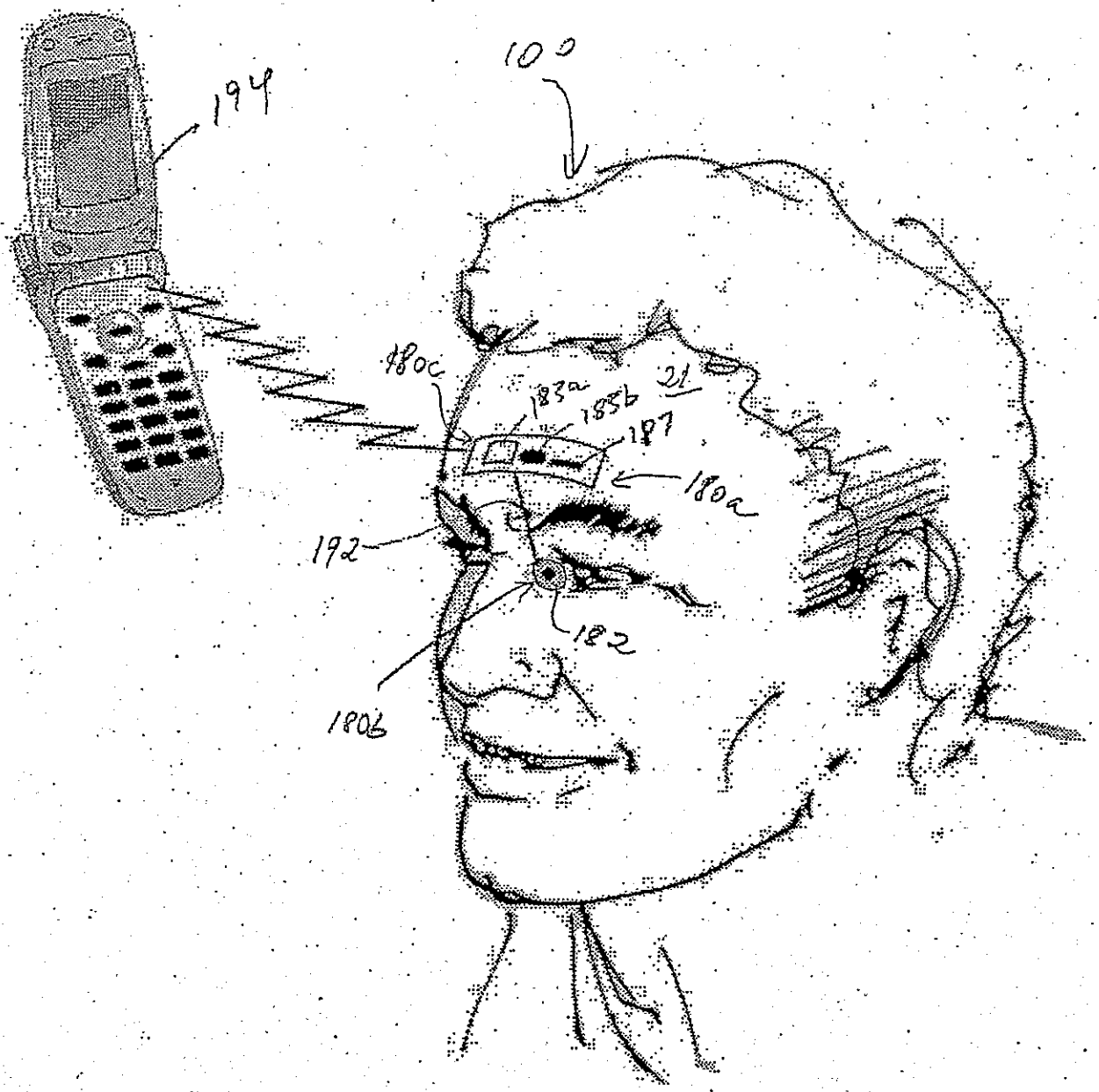


Fig 16C

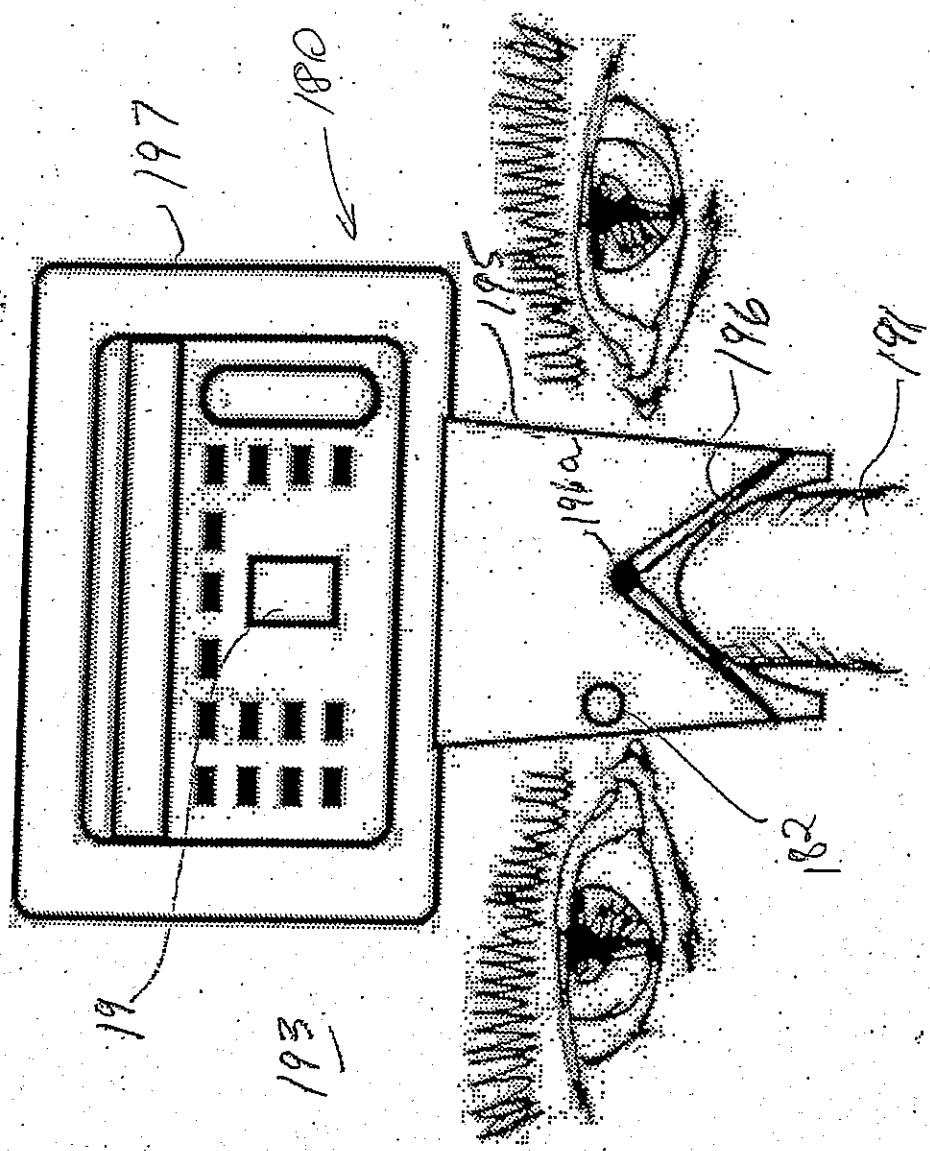


FIG. 17

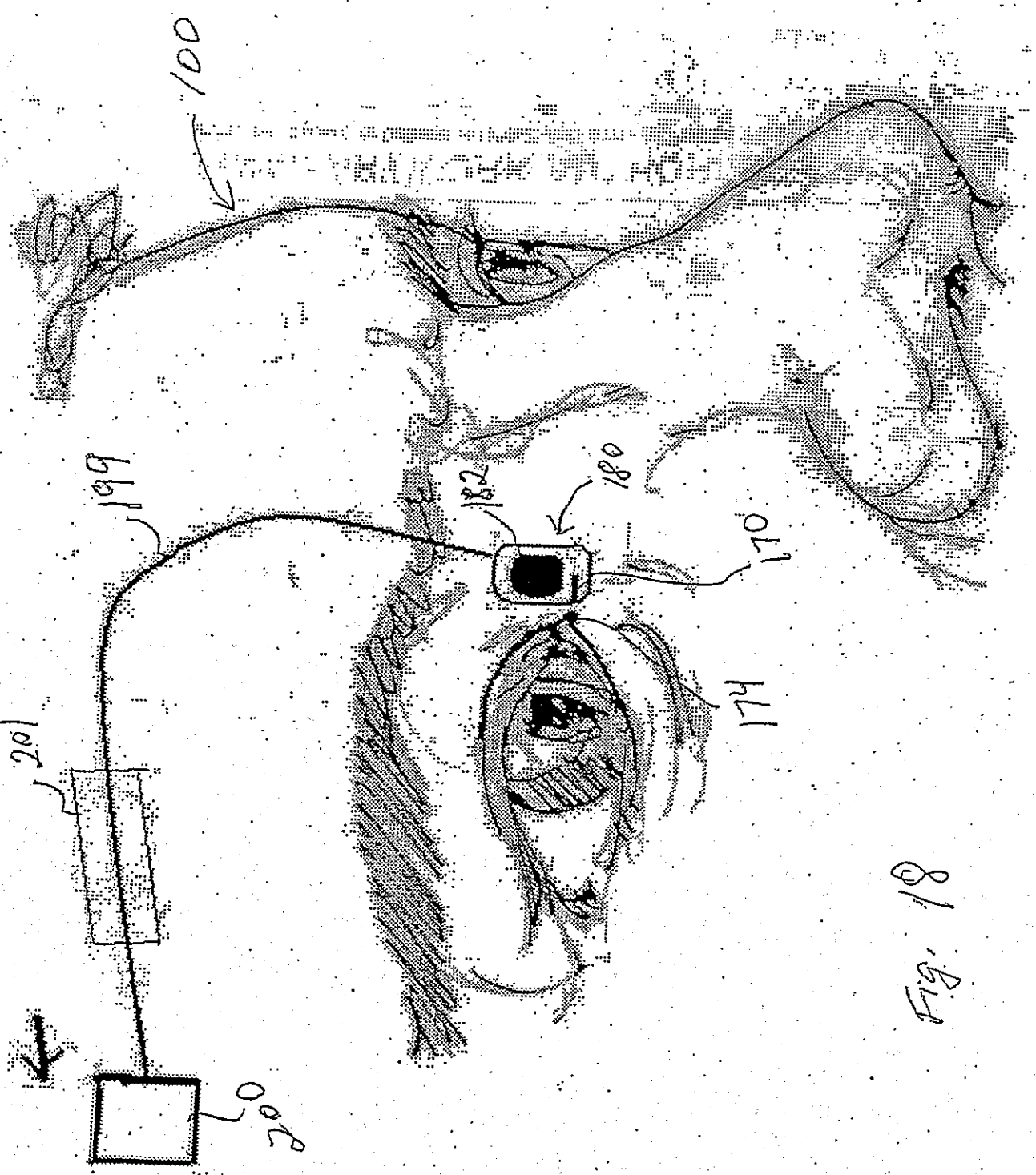


Fig. 18

Fig 19A1

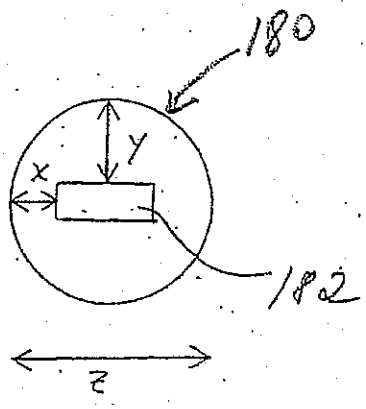


Fig 19A2

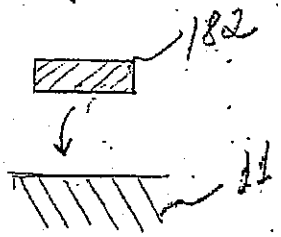


Fig 19B

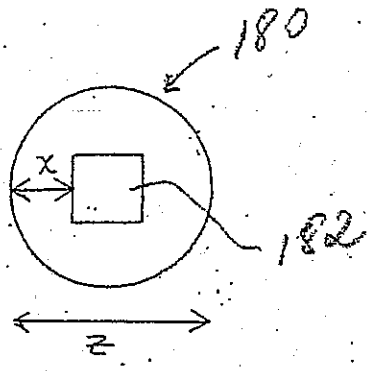


Fig 19C

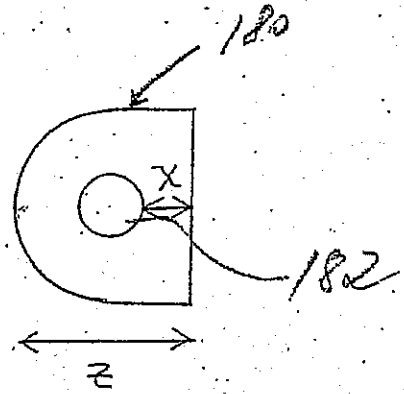


Fig 19D

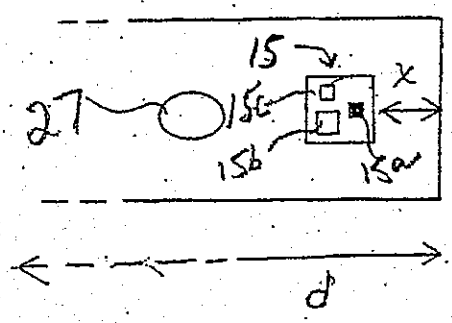


Fig 20A

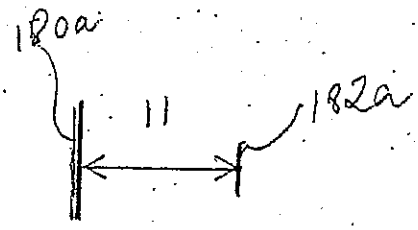


Fig 20B

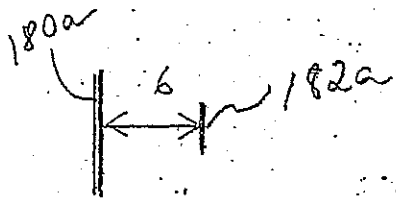


Fig 20C

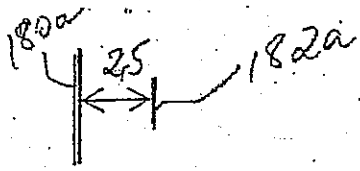


Fig 21A

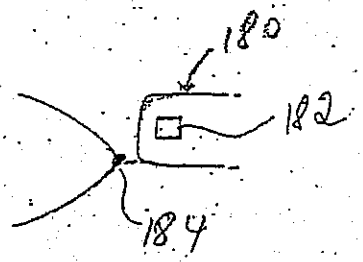


Fig 21B

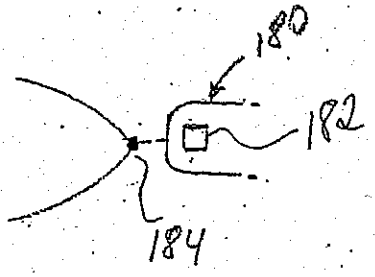




Fig 22A

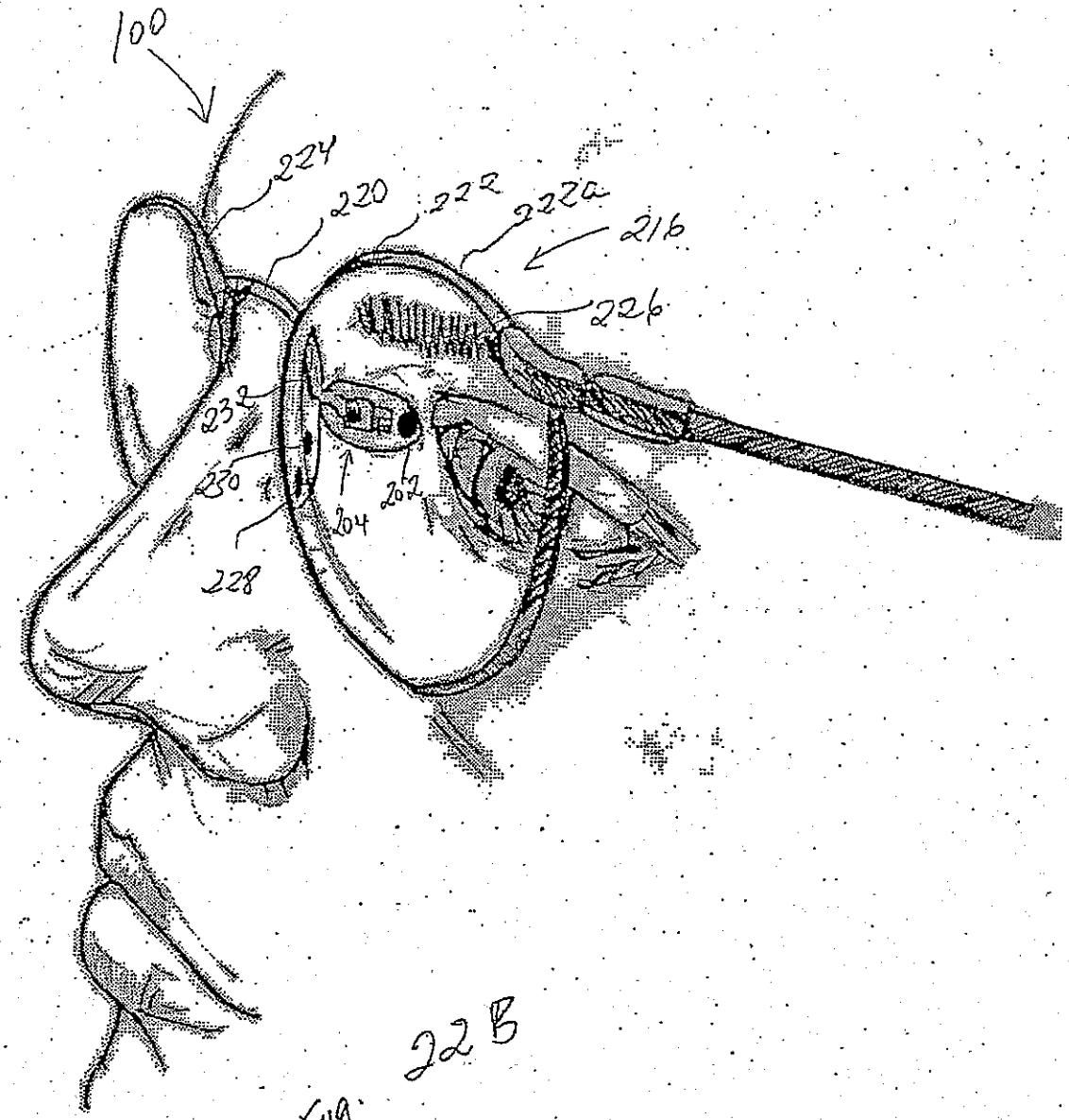


Fig. 22B

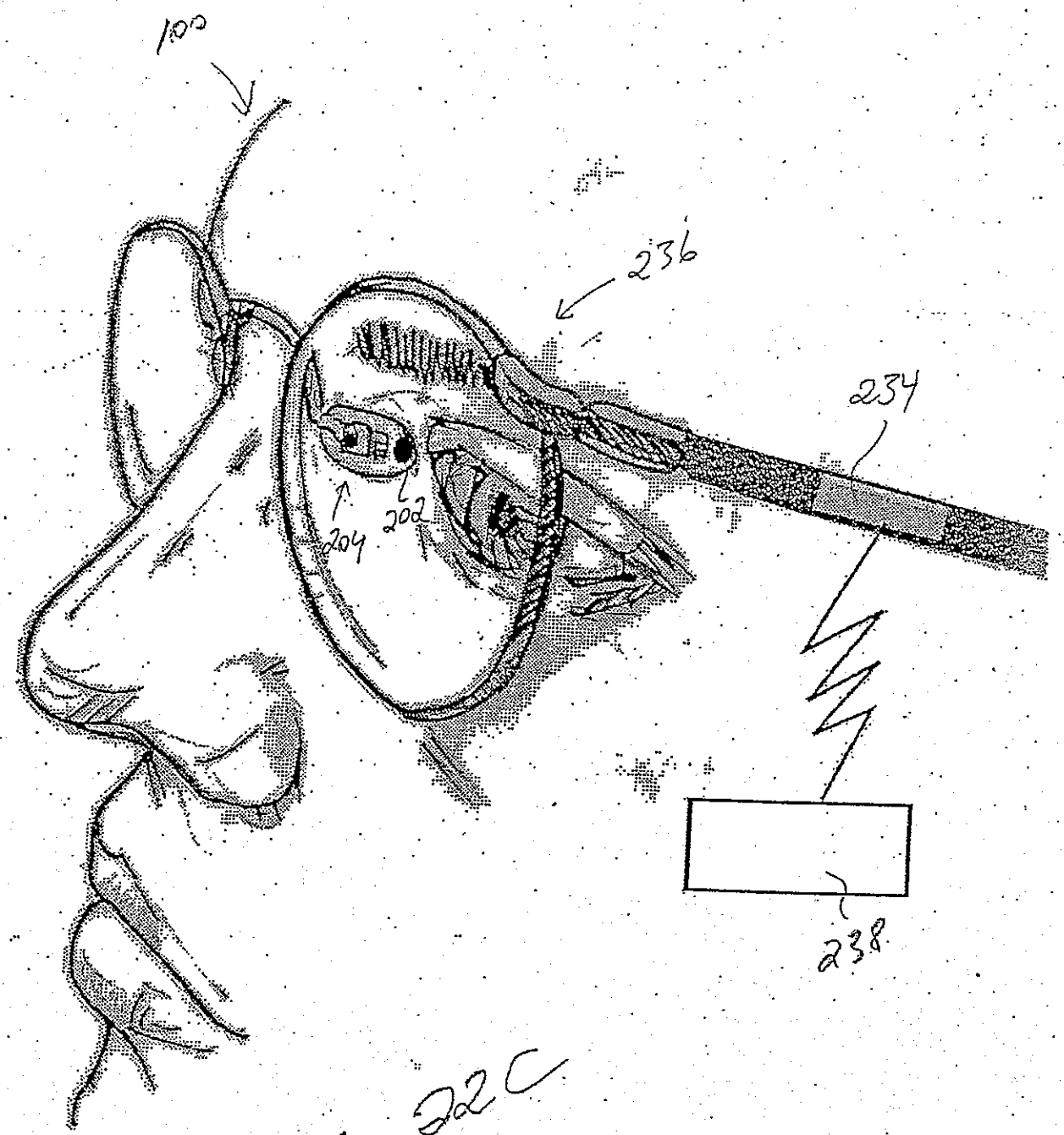


Fig. 22C

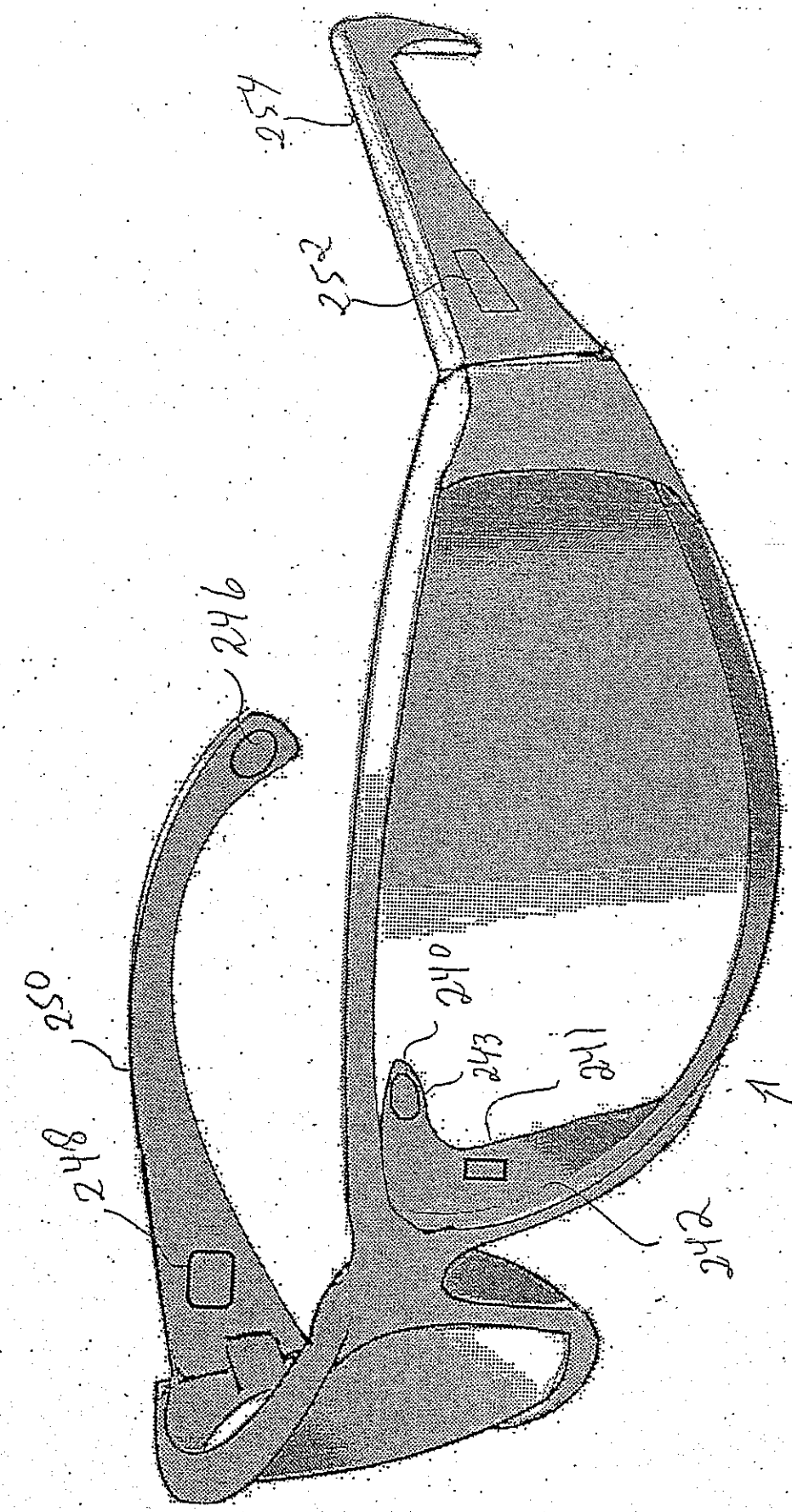


Fig. 23A

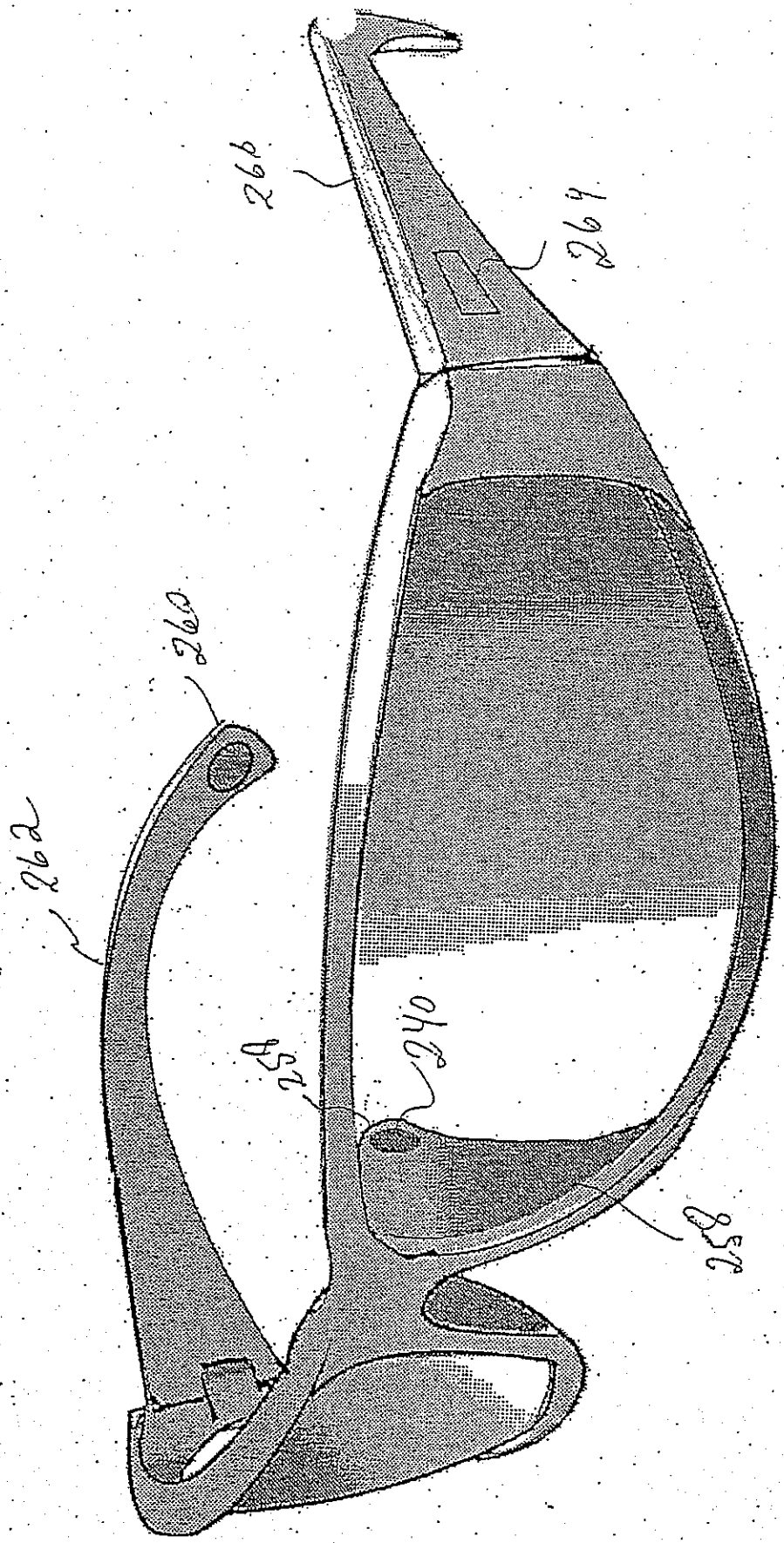


Fig. 25B

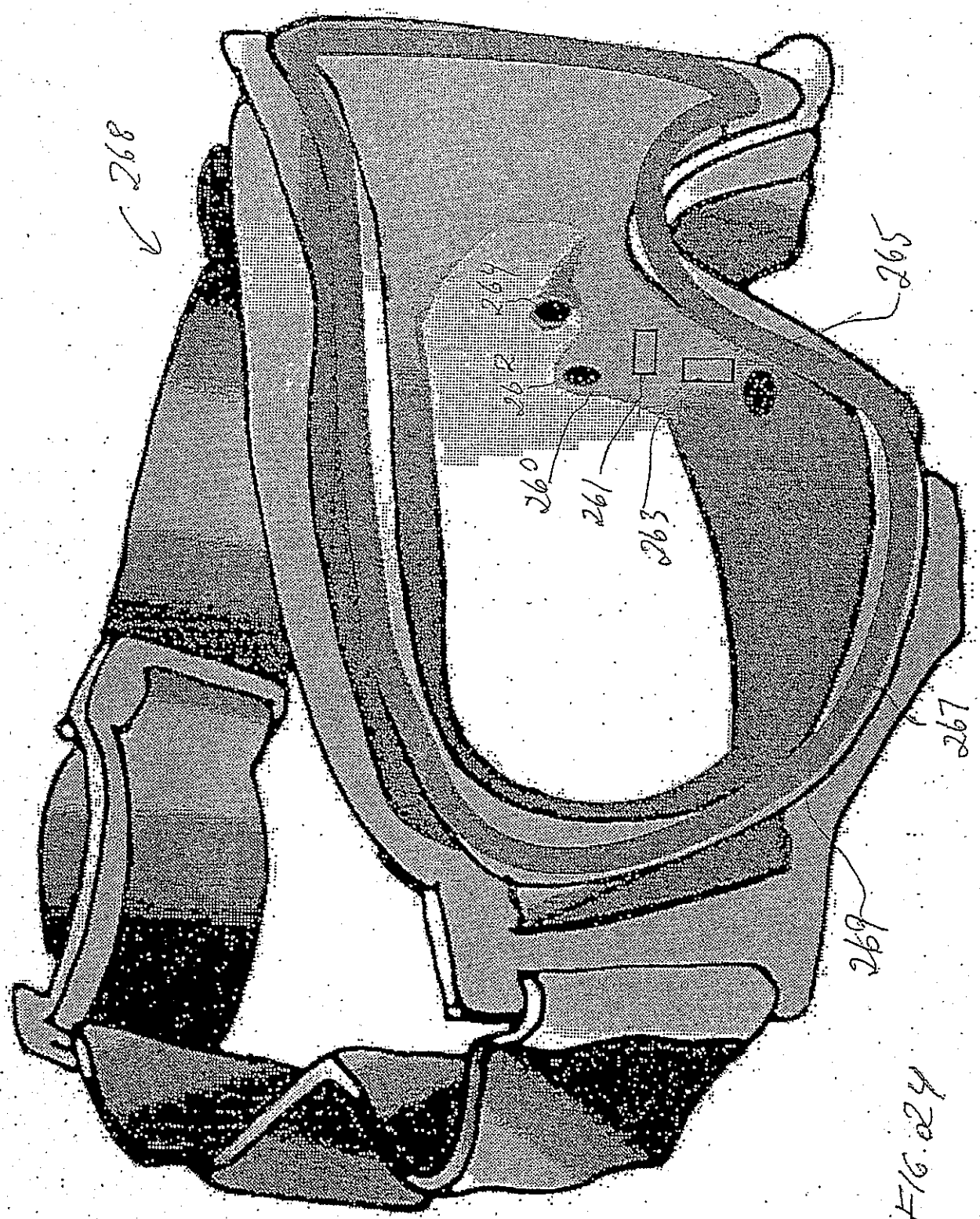


FIG. 24

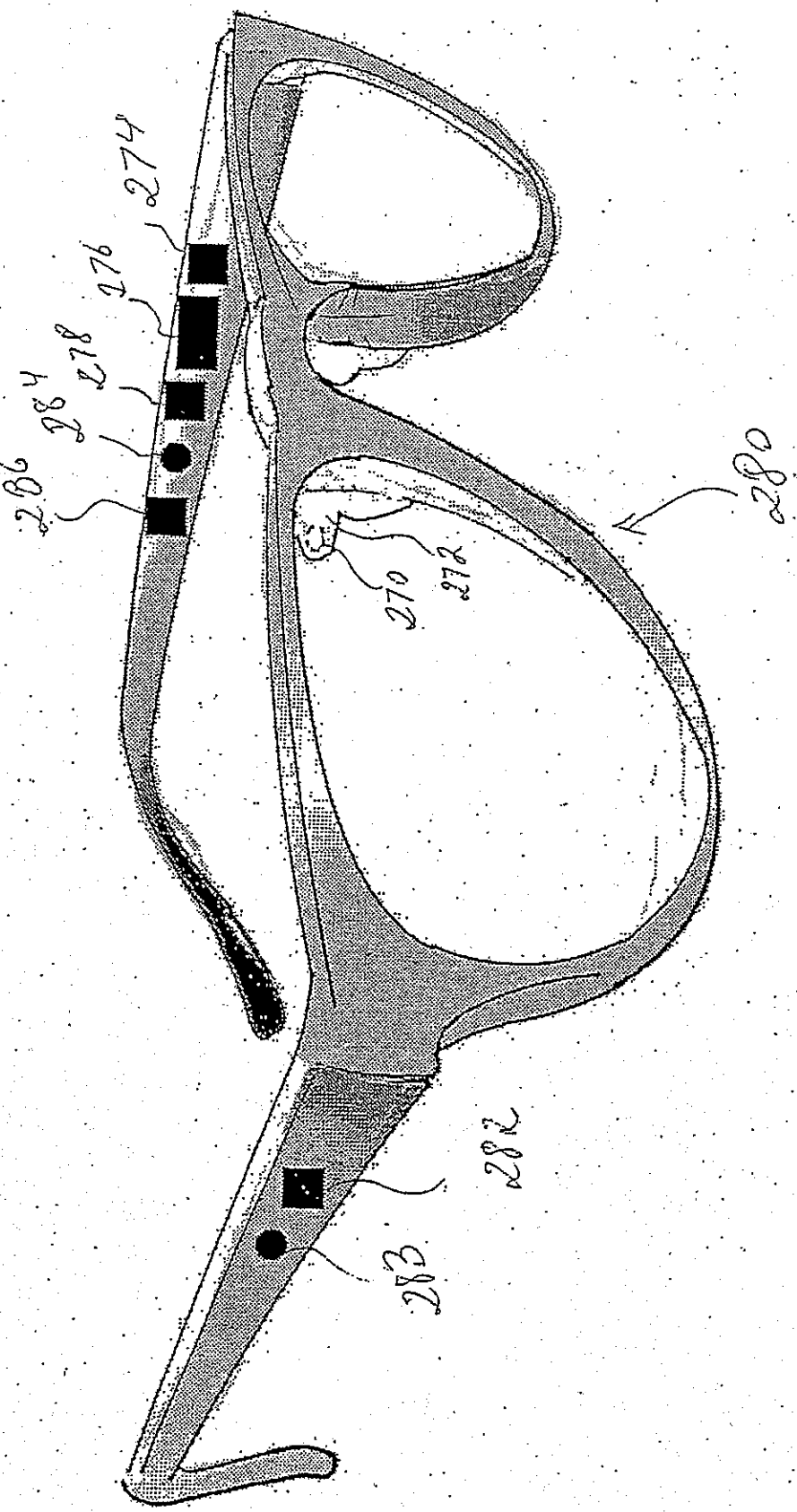


FIG. 25

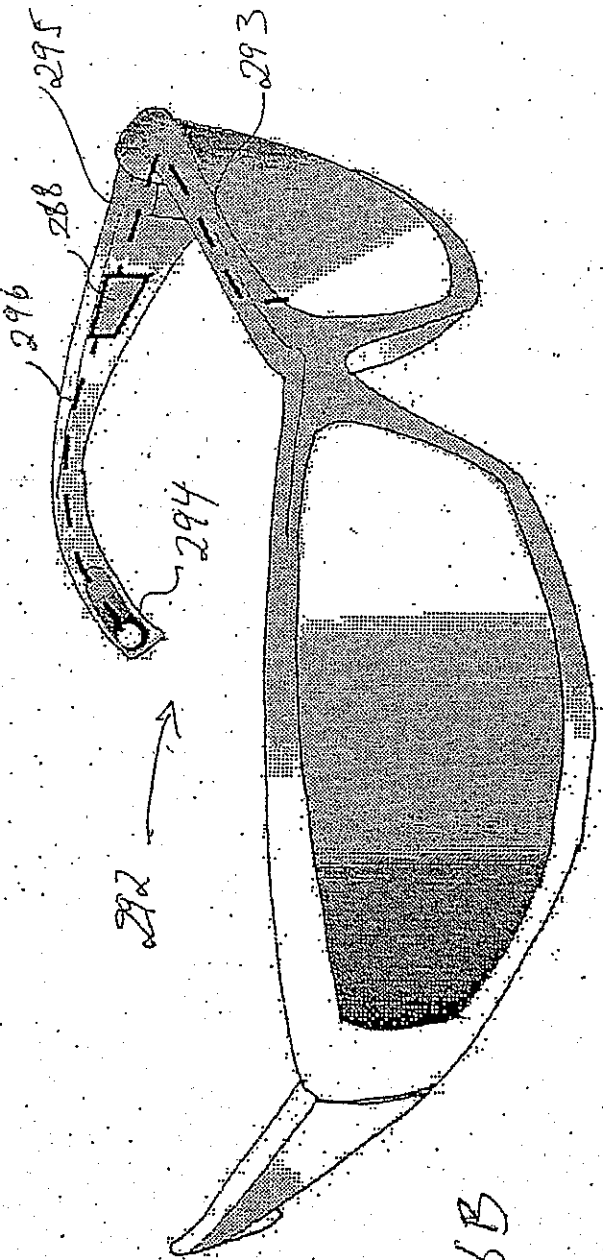


Fig. 26B

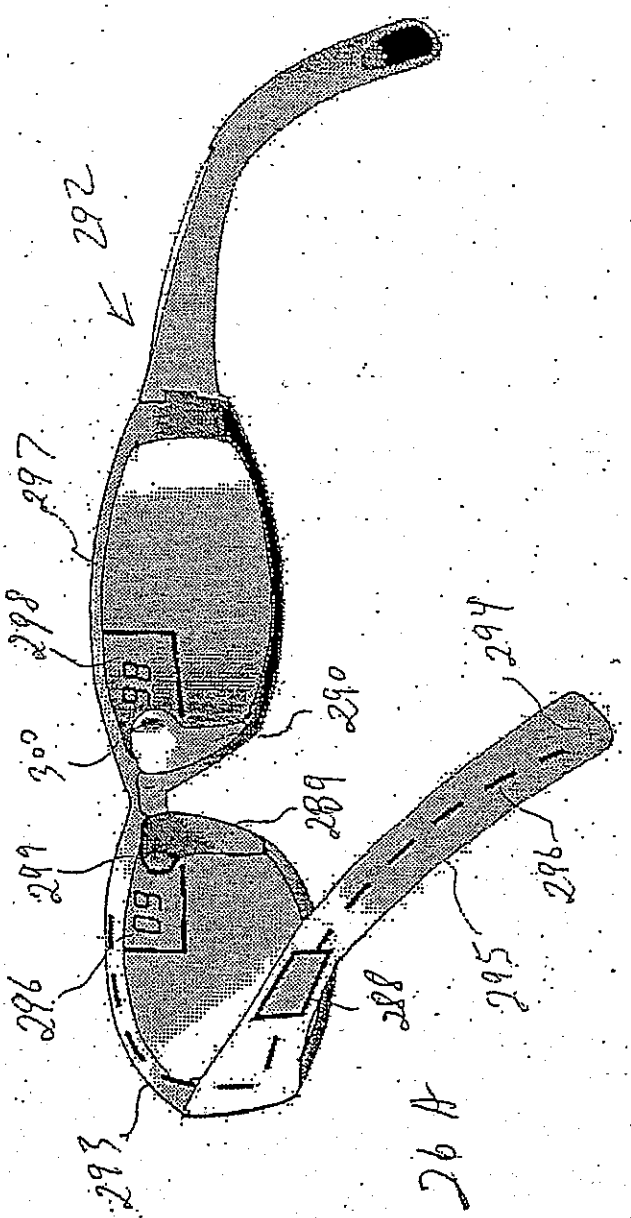


Fig. 26A

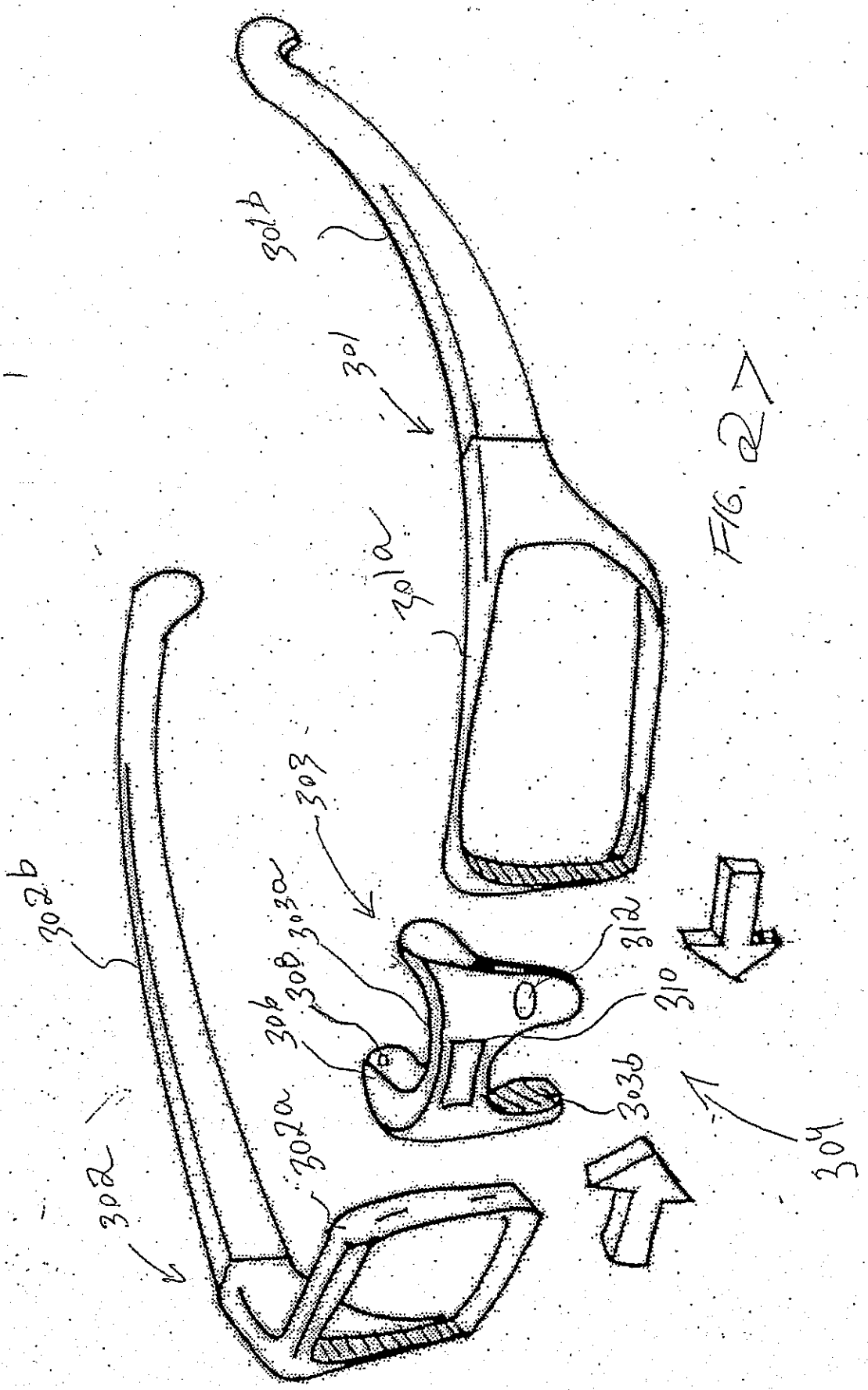


FIG. 27

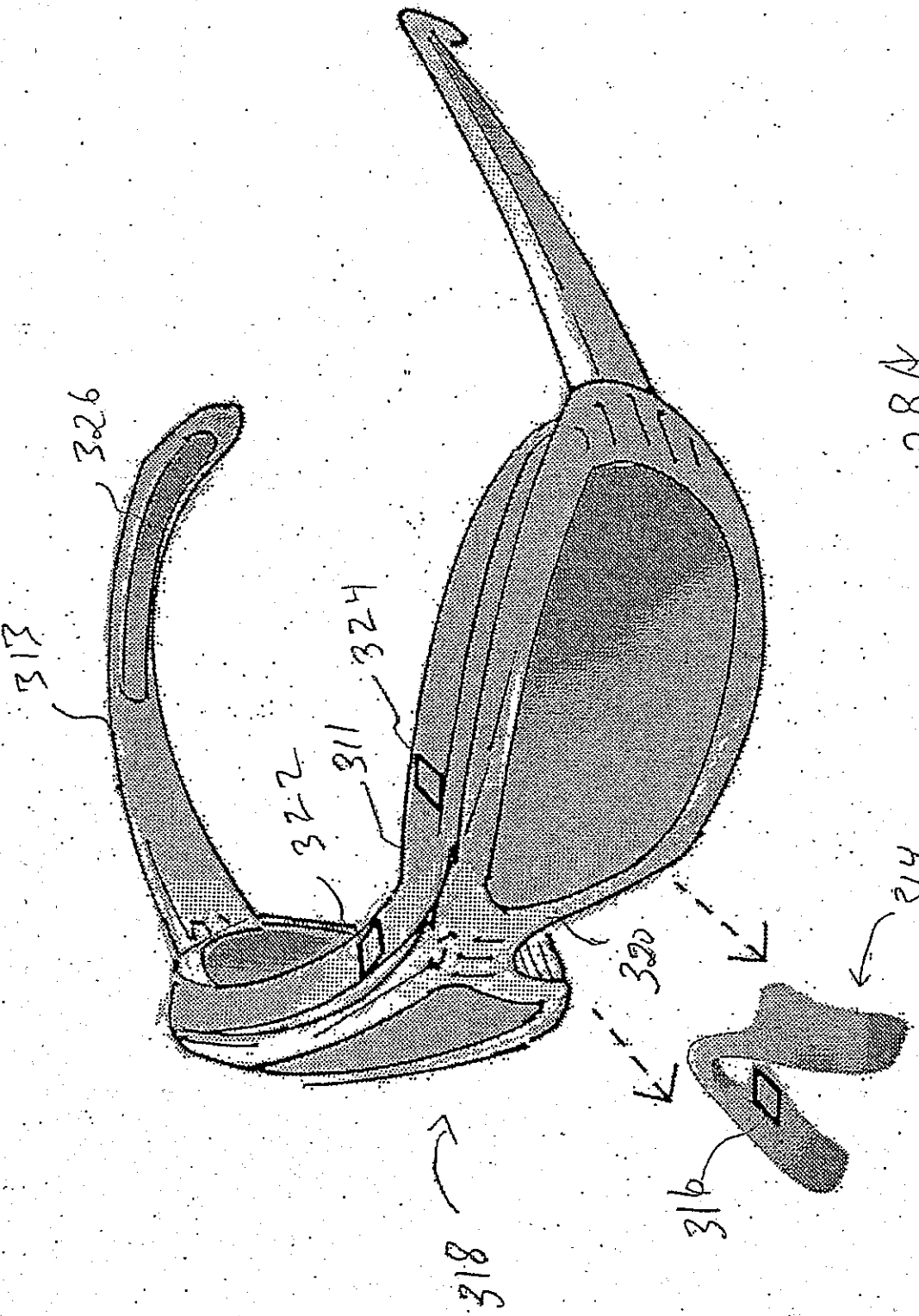


FIG. 28A

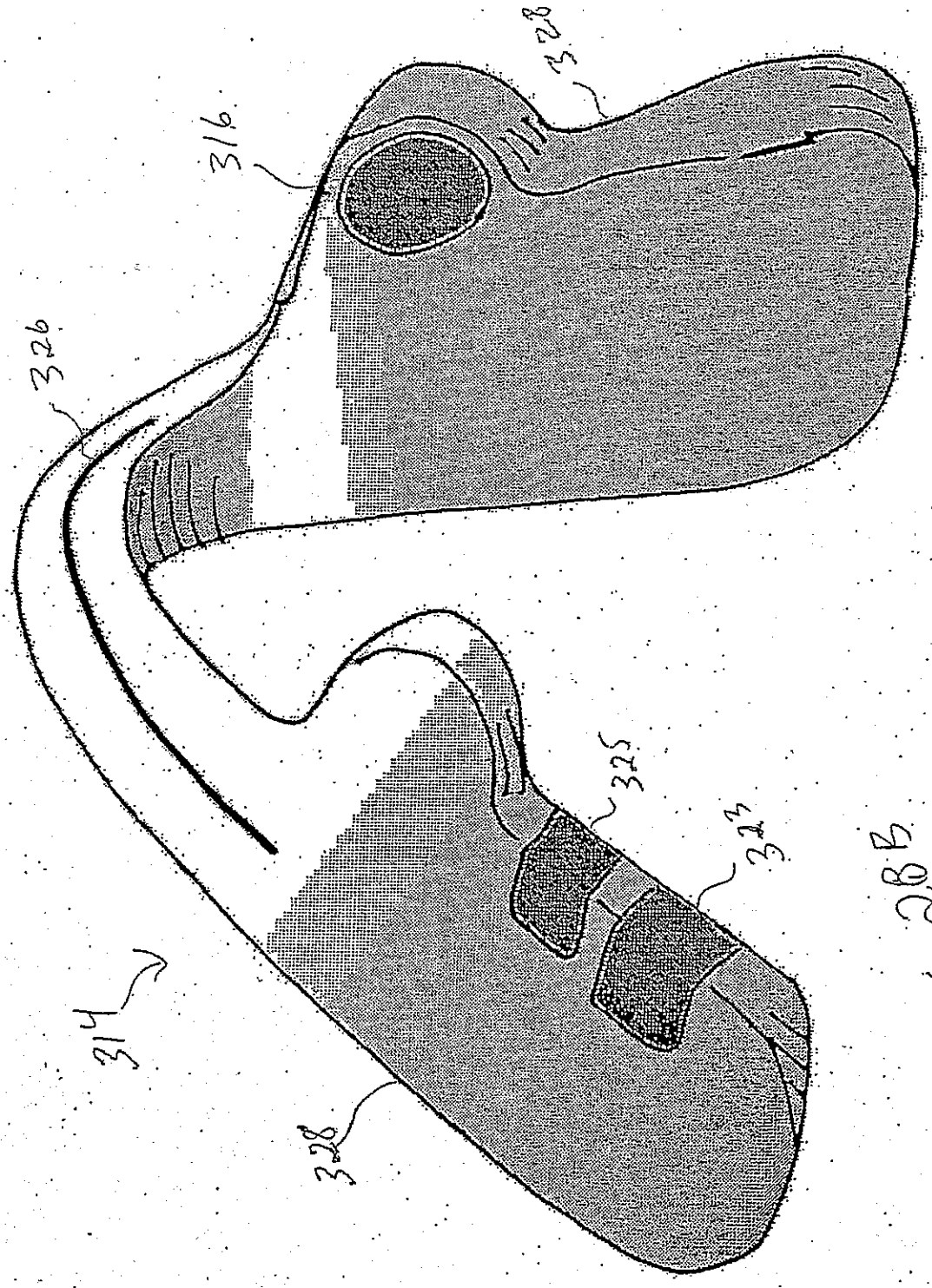


FIG. 28B

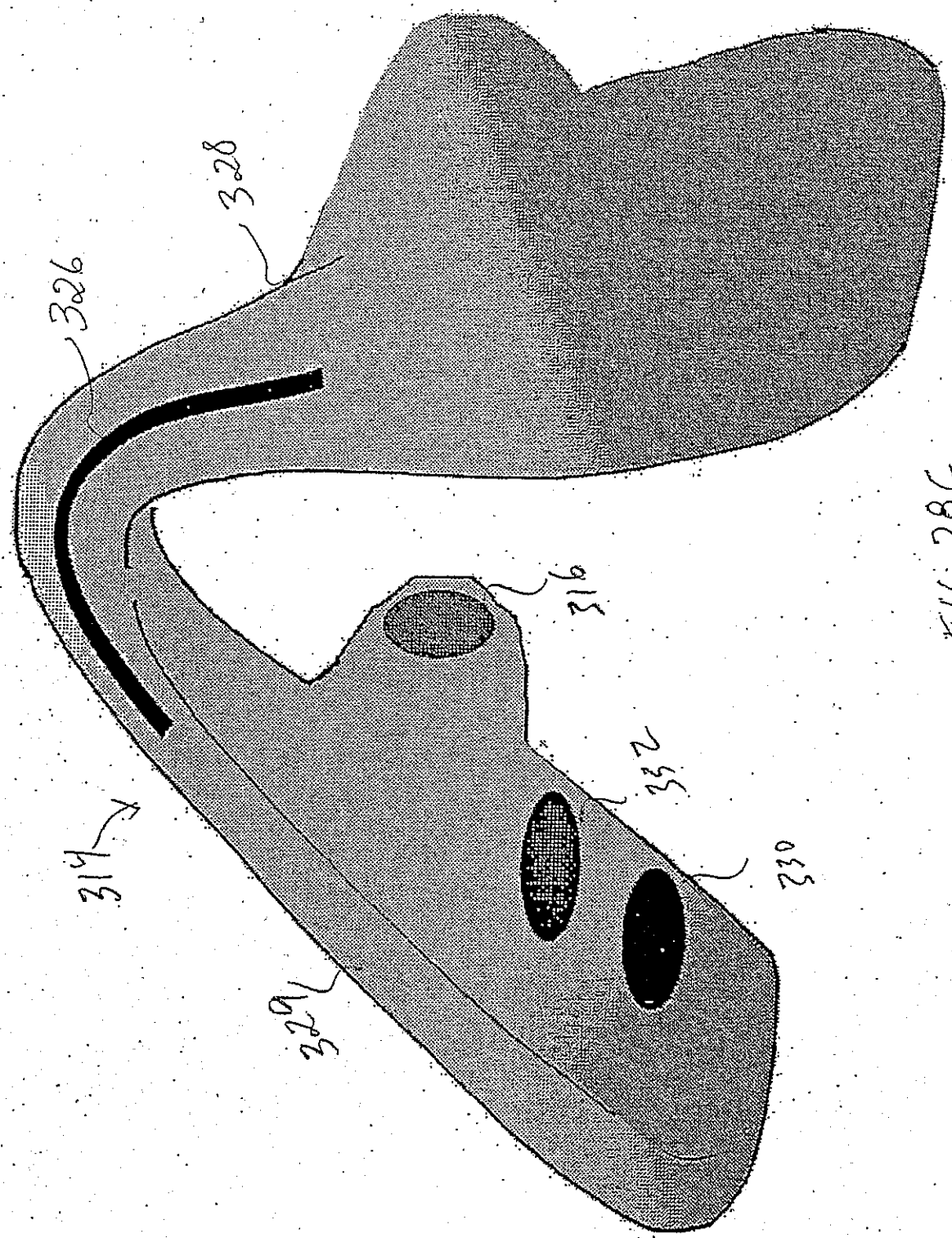


FIG. 28C

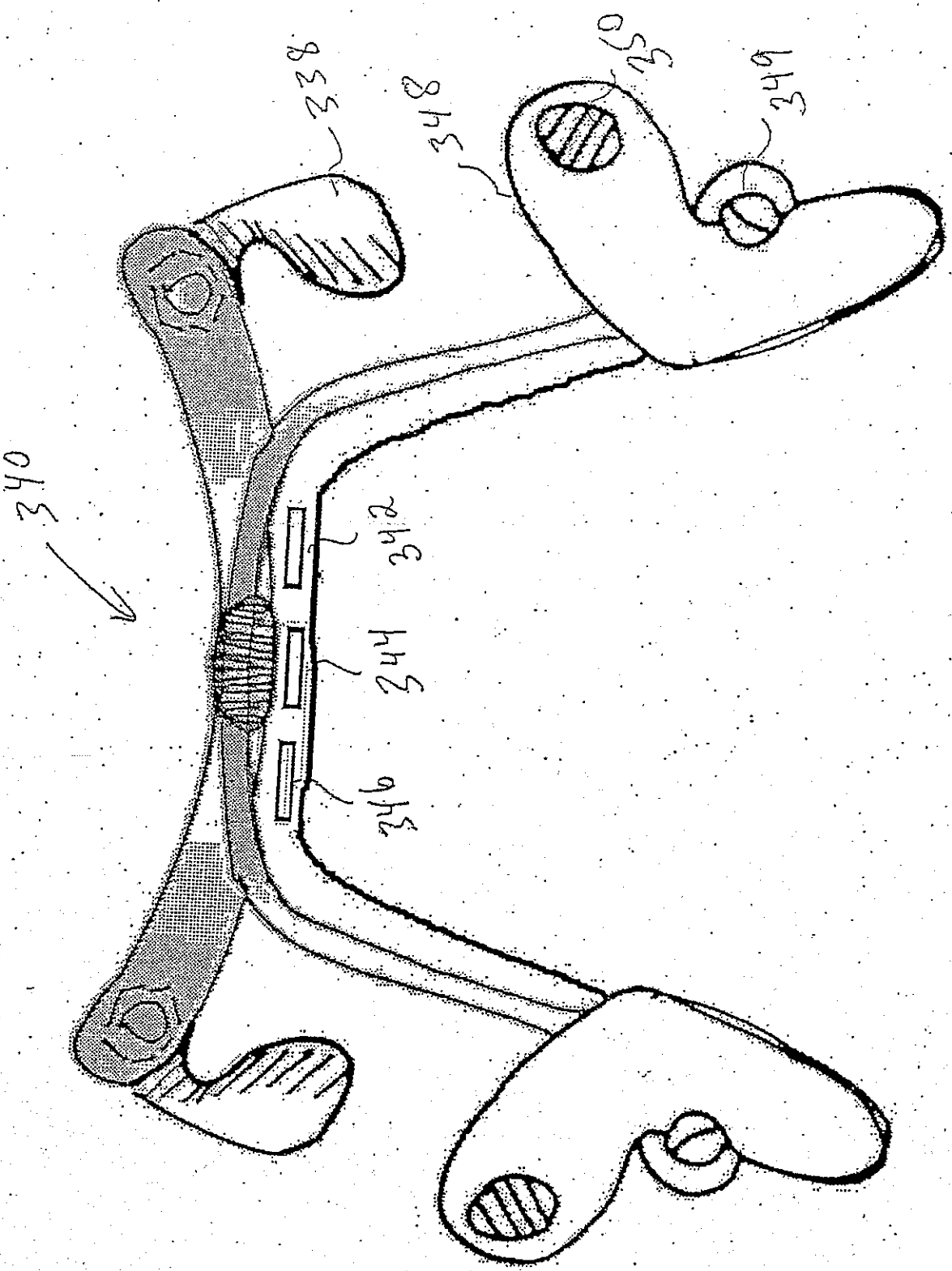


FIG. 29

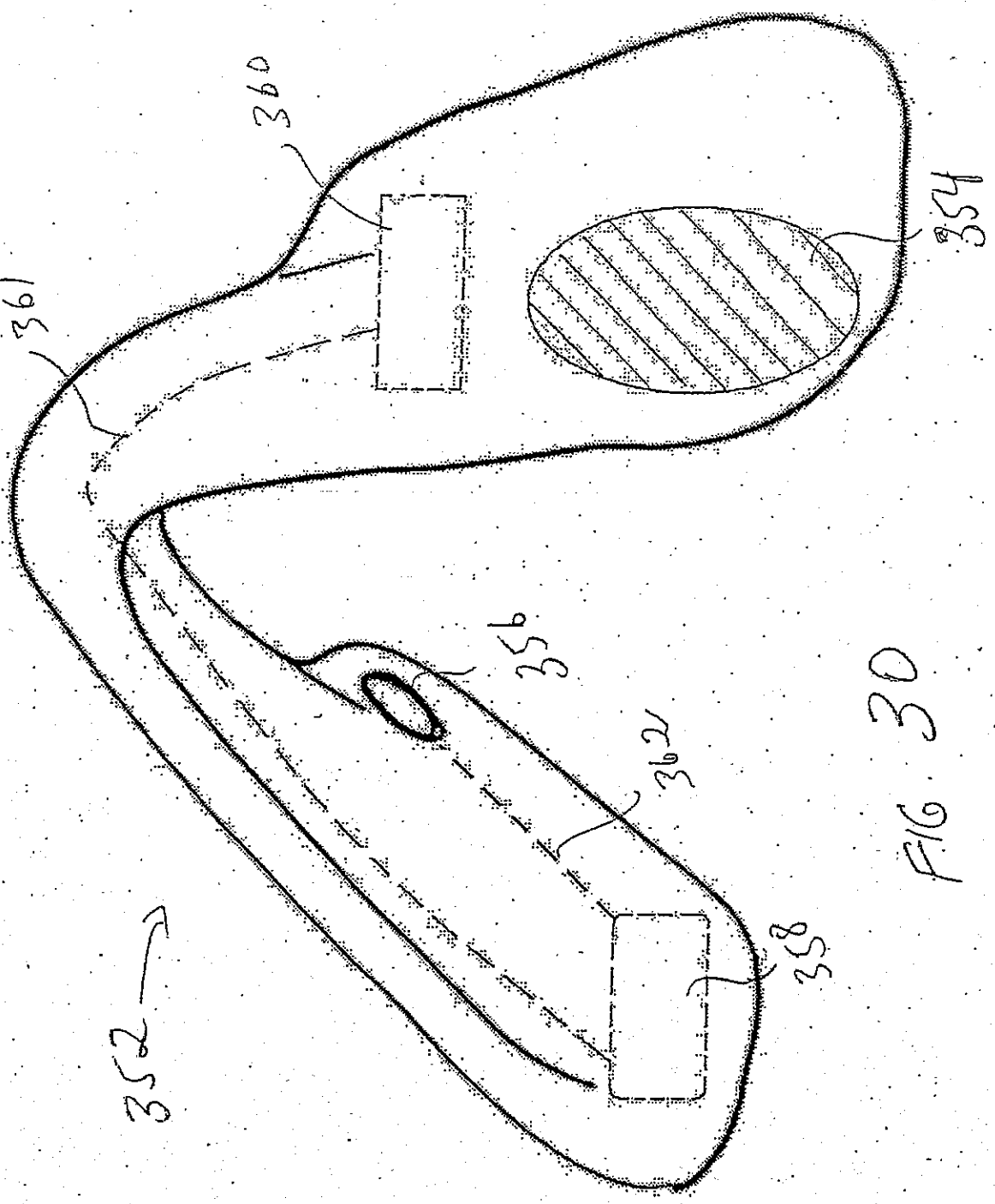


FIG. 30

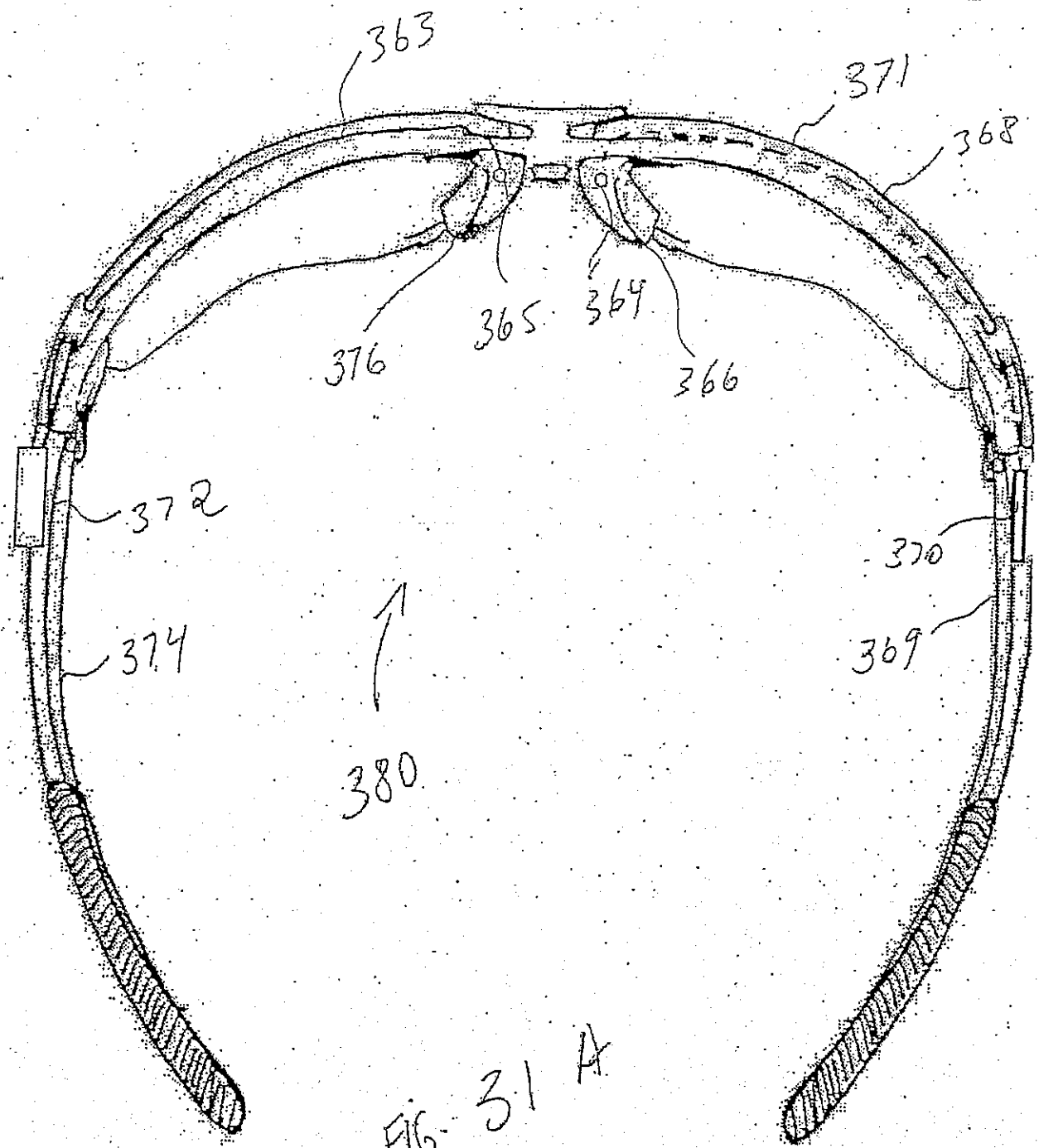


FIG. 31A

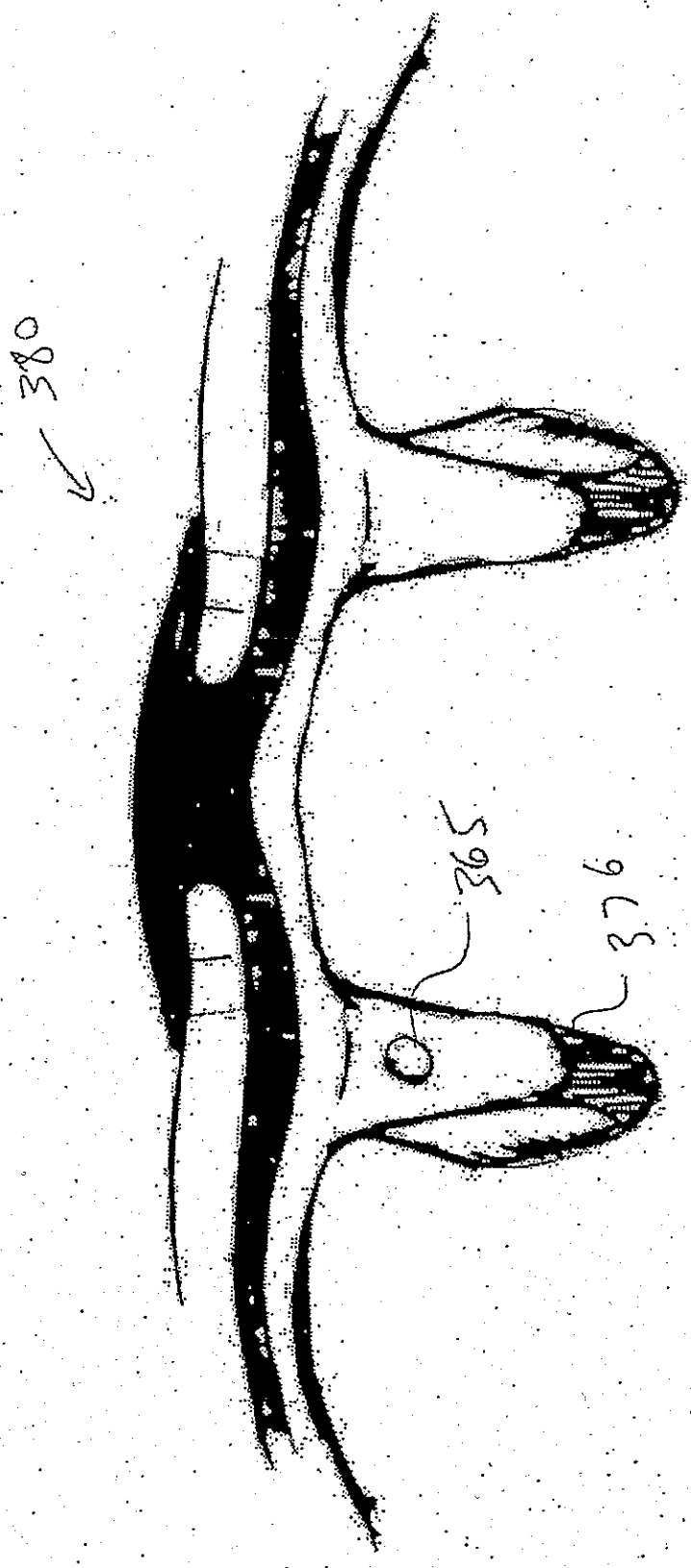


FIG. 31B

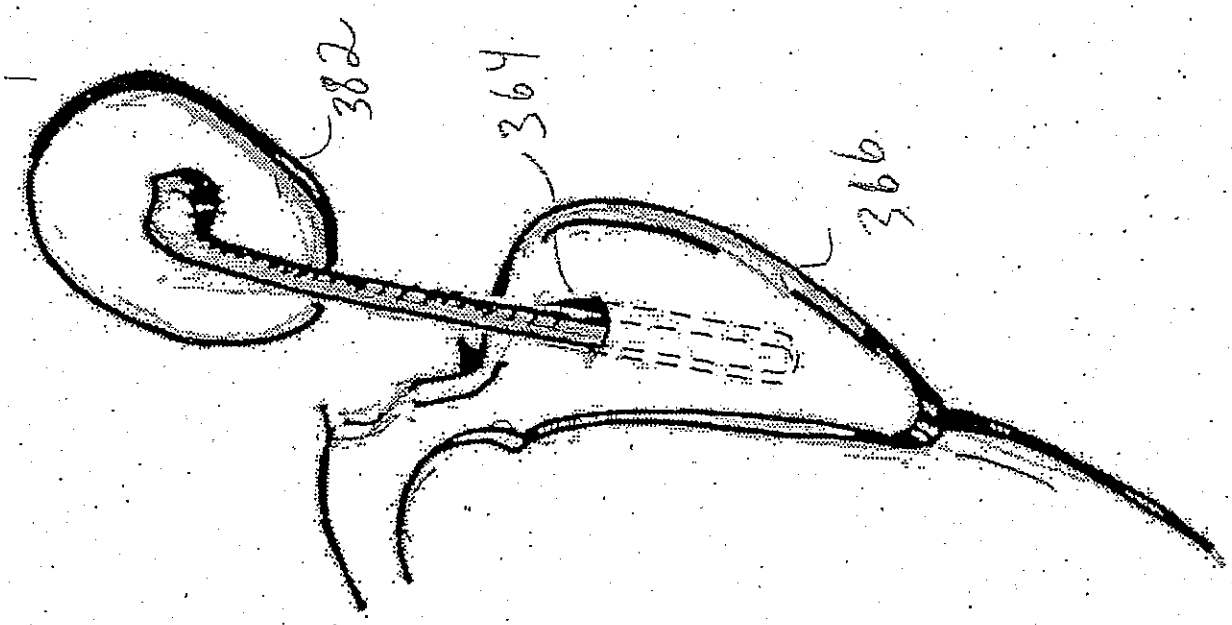


Fig 31D

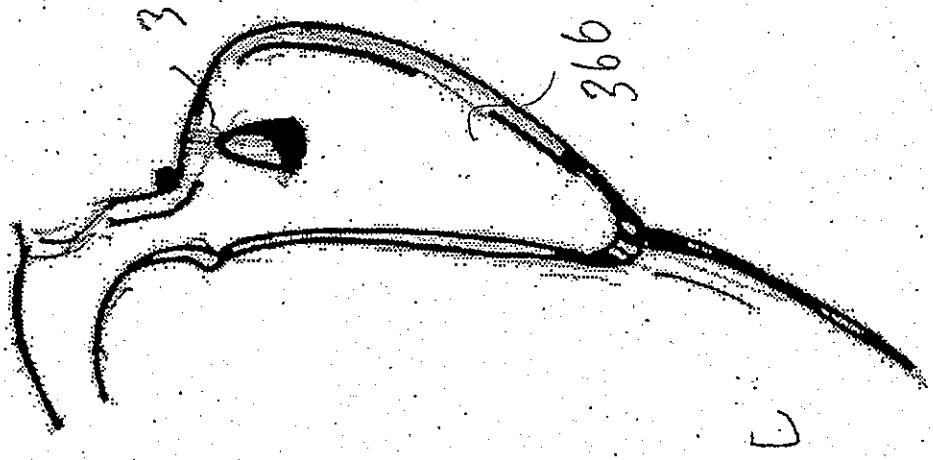


Fig 31E



FIG 32A

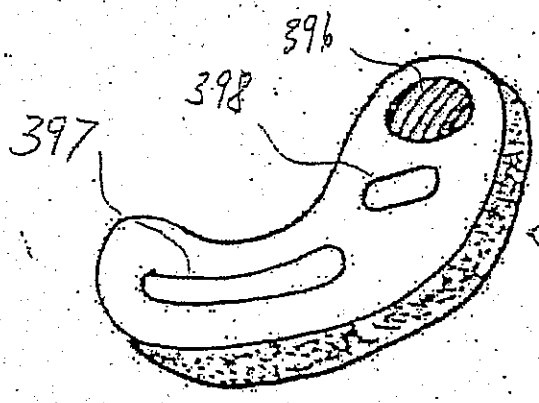
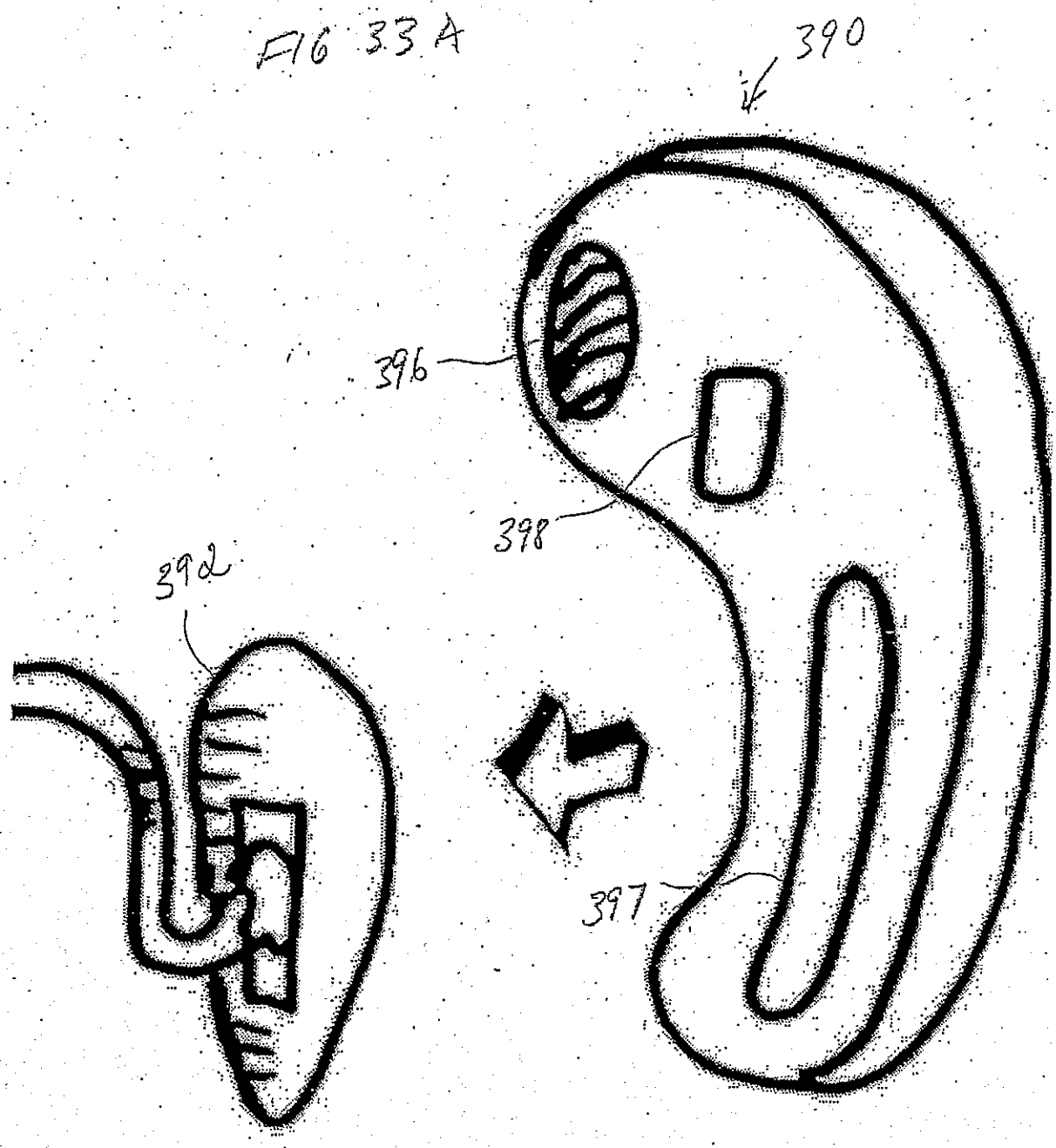


FIG 32B

FIG 33A



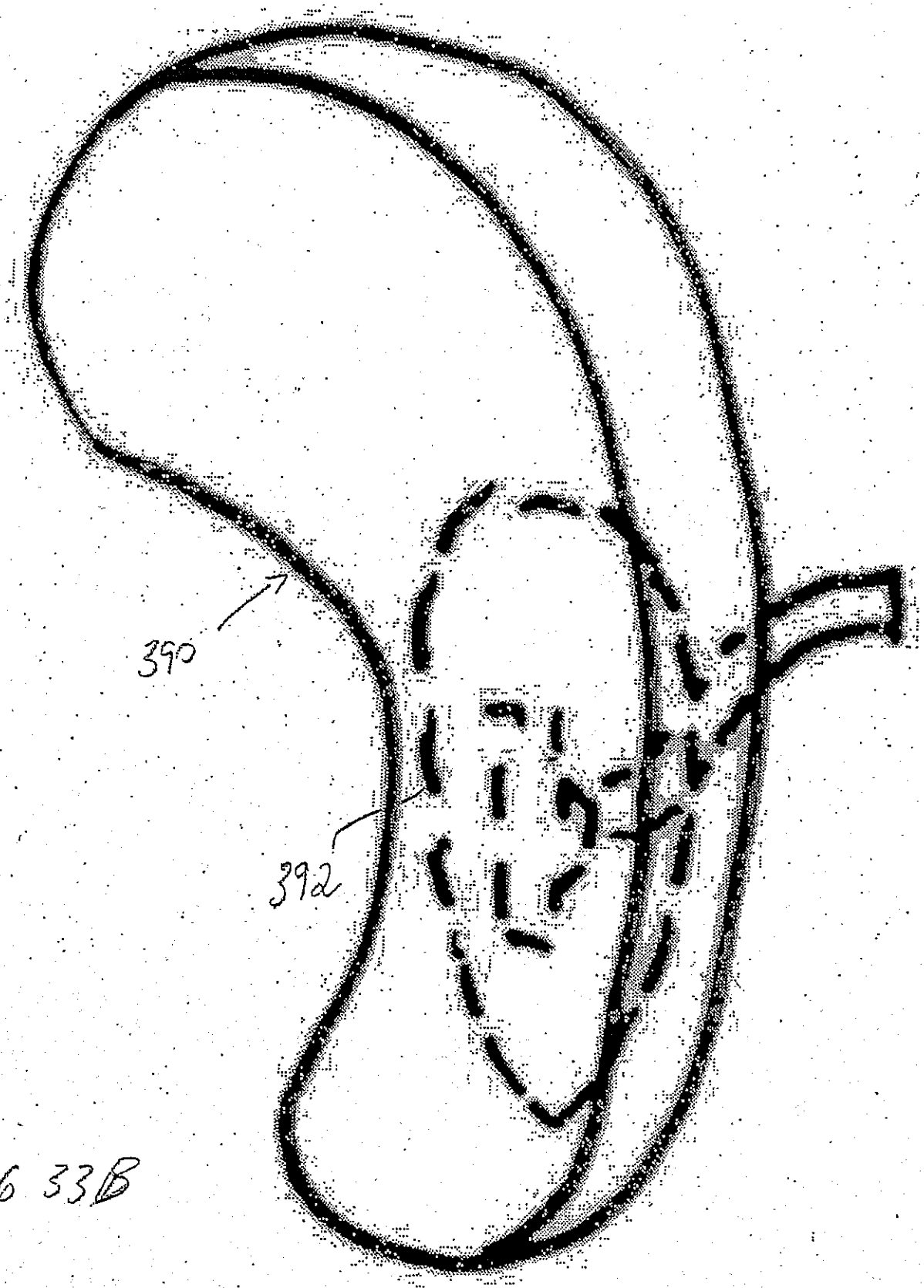


FIG 33B

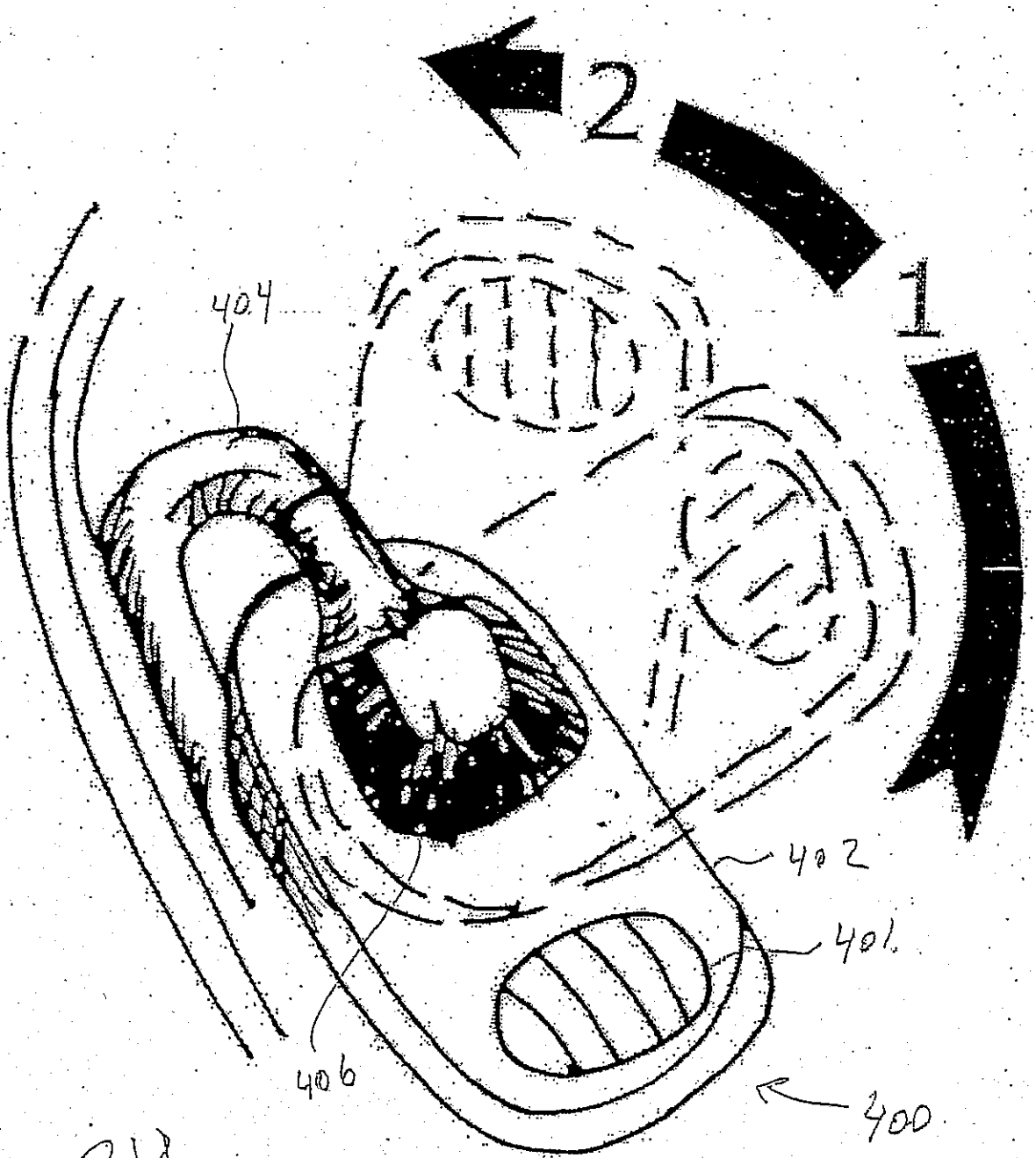


FIG. 34

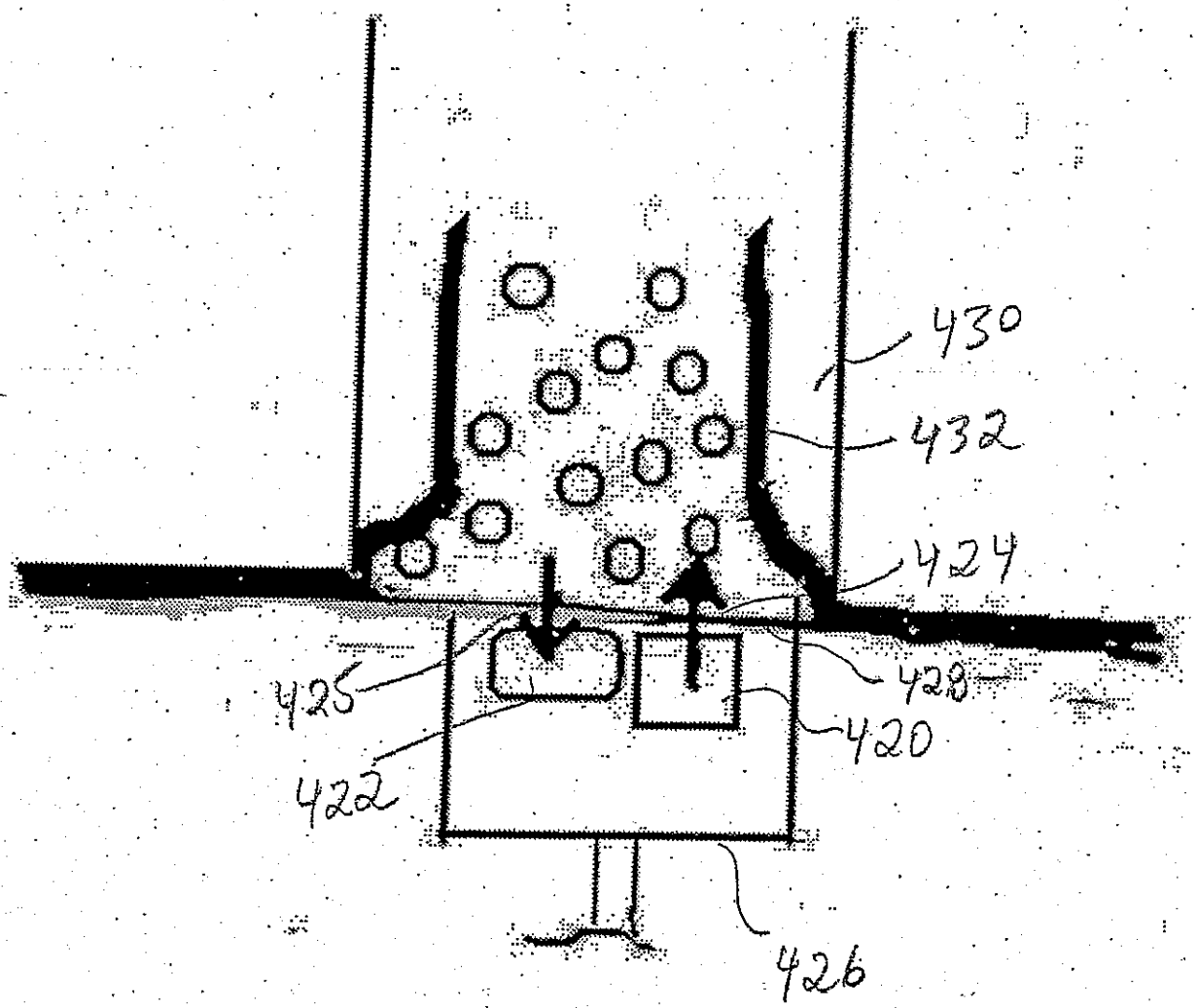


FIG. 35

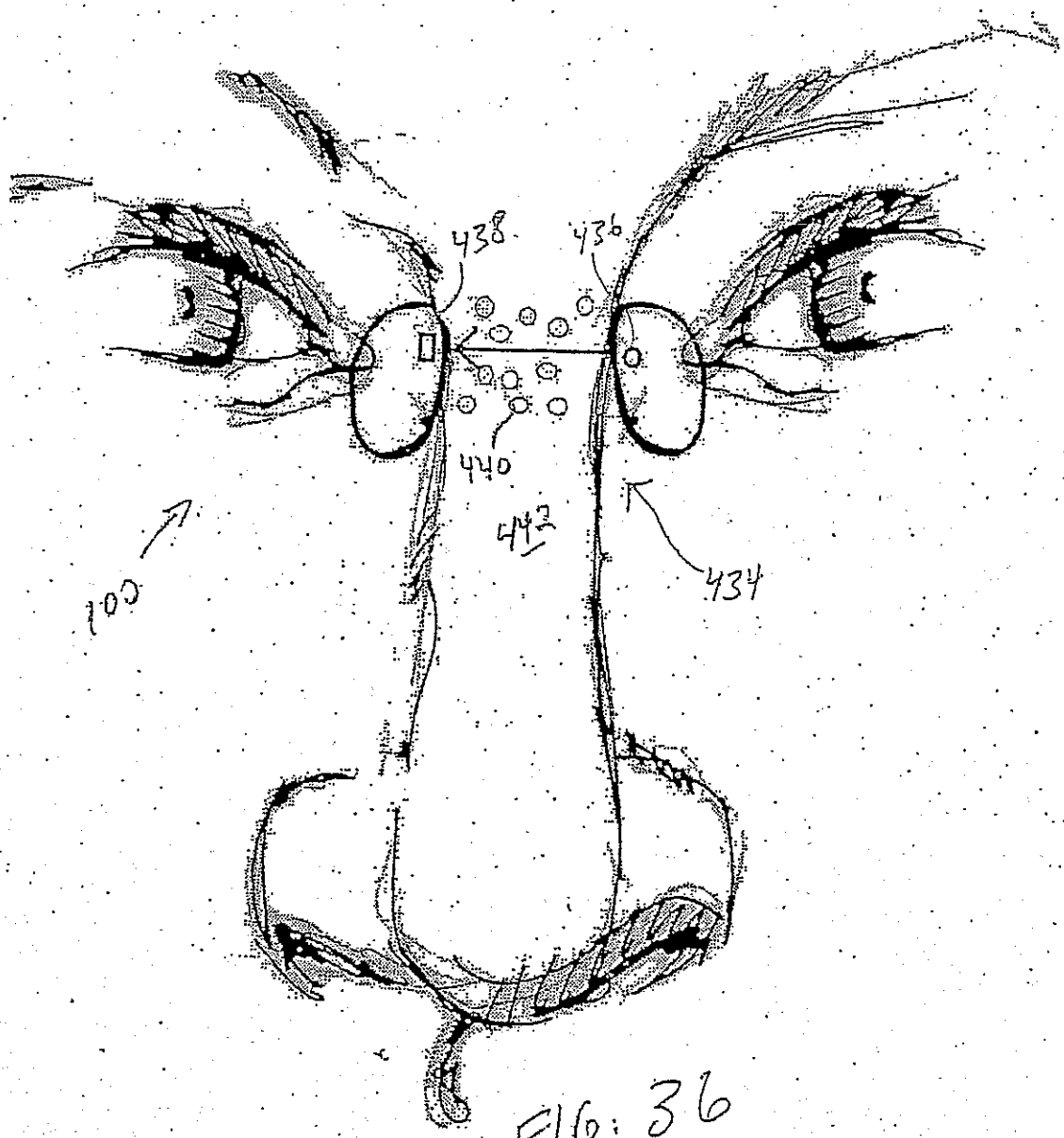
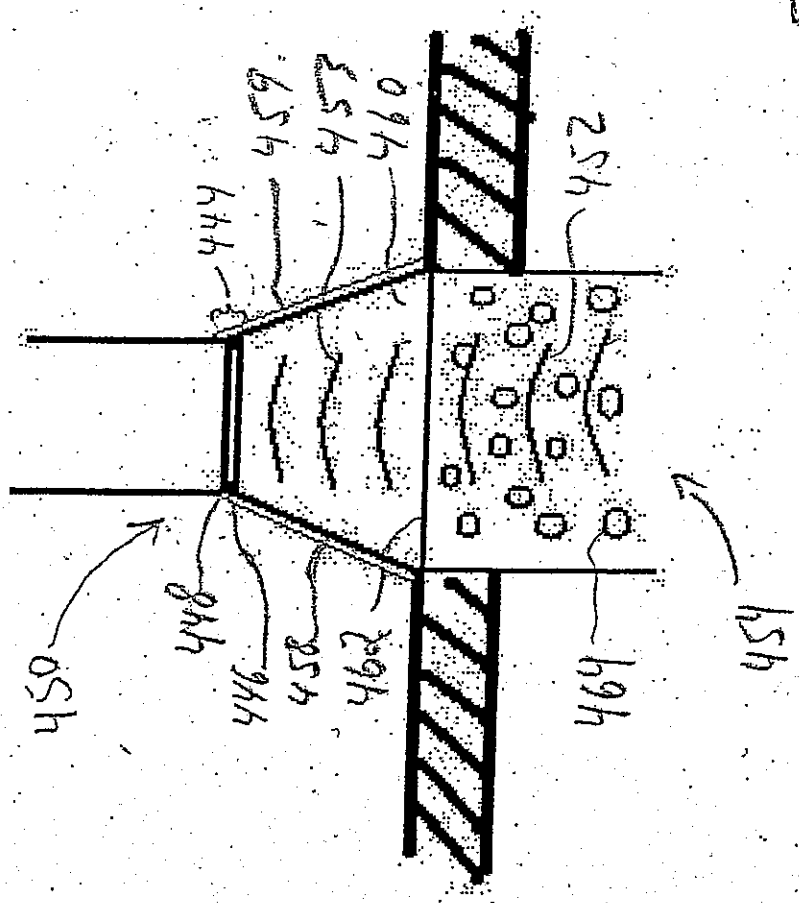


FIG. 36

FIG. 57


450h
444h
448h
452h
454h
456h
458h
460h
462h
464h
466h
468h
470h

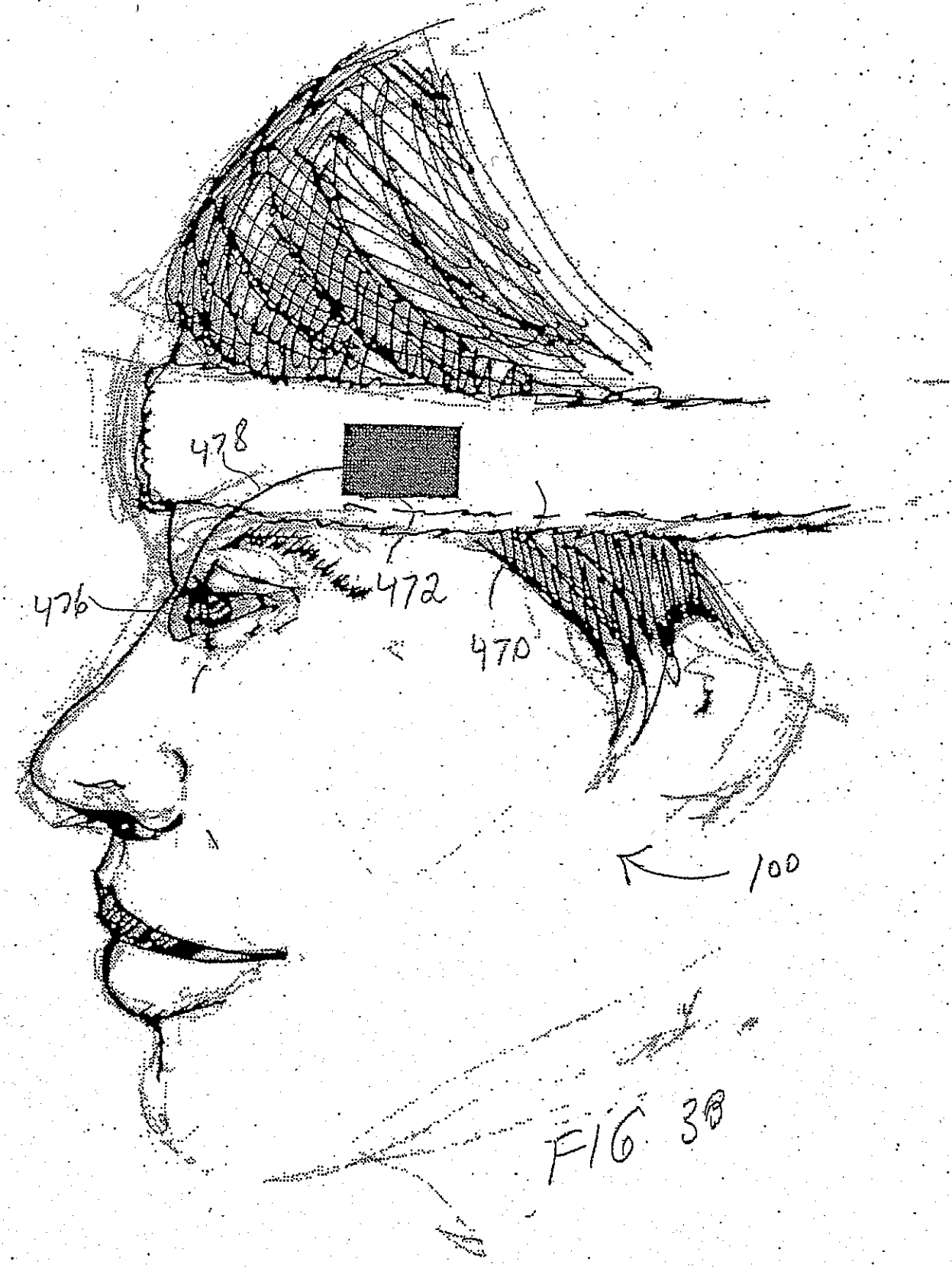


FIG 3B

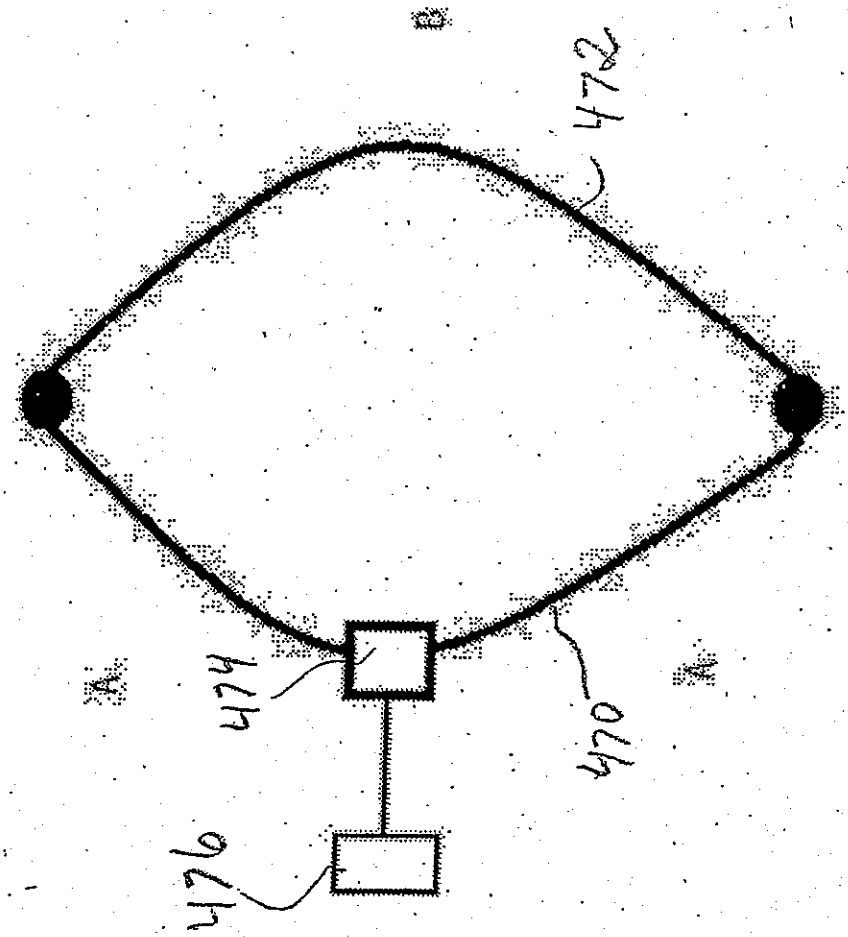
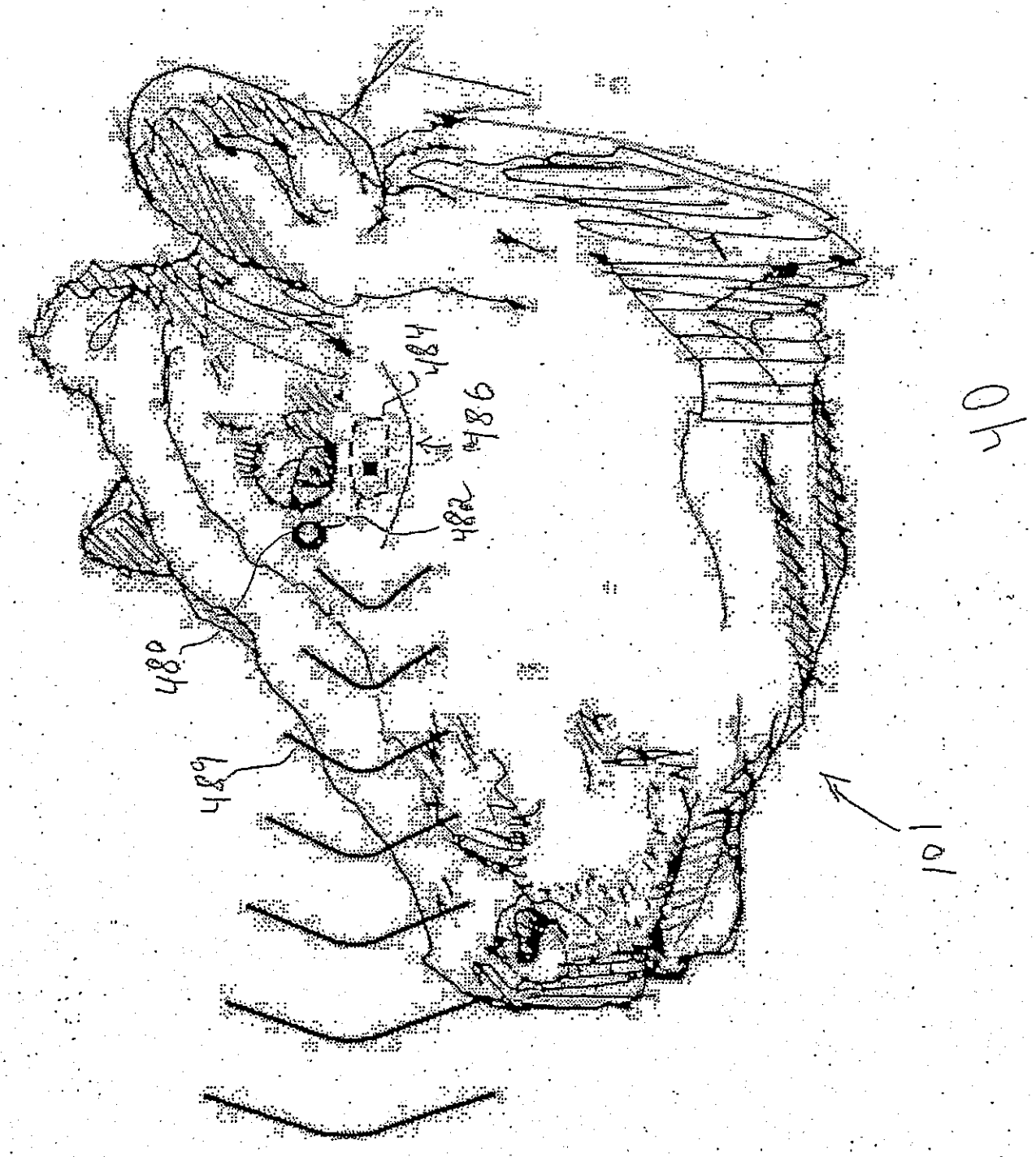


Fig 39


484
486
482
480
489
10
101

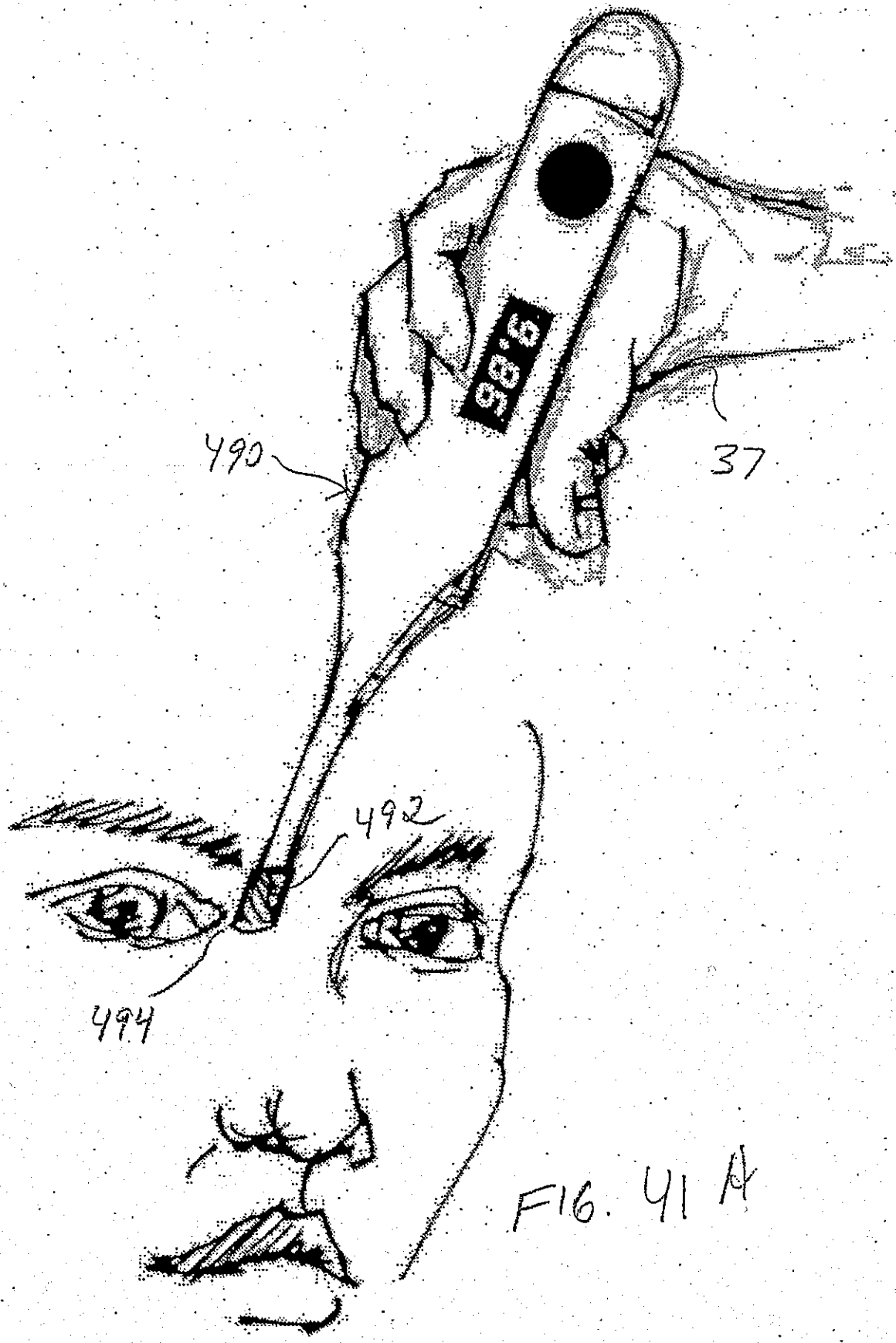


FIG. 41A

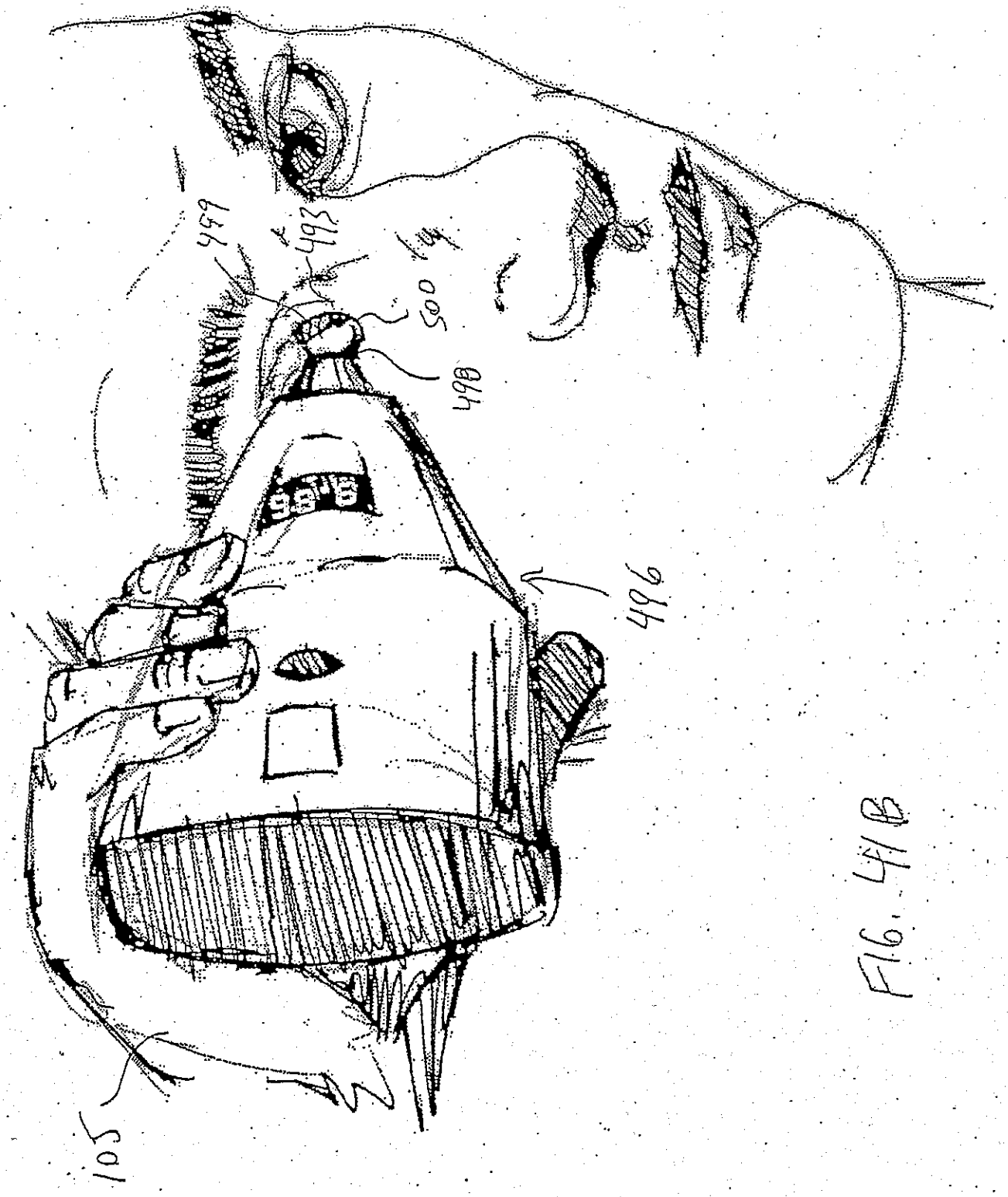


FIG. 41B

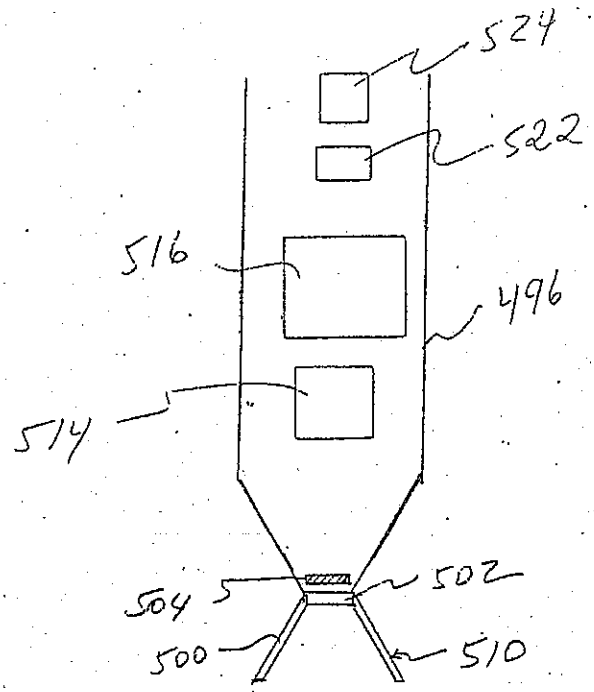


Fig 42A

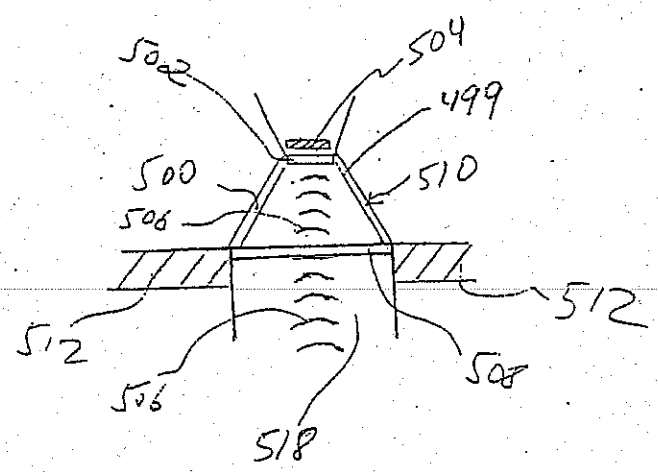


Fig 42B

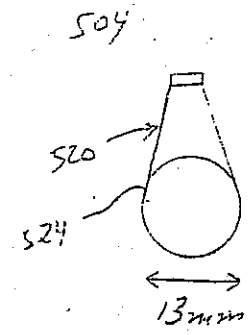


Fig 43A

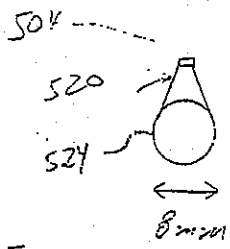


Fig 43B

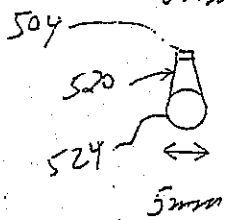


Fig 43C

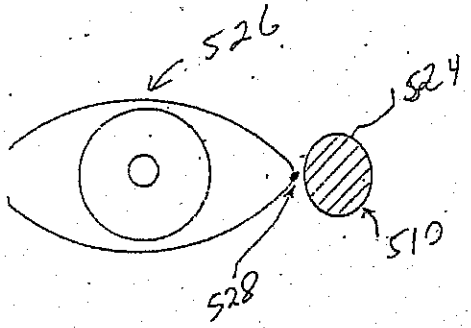


Fig 44A

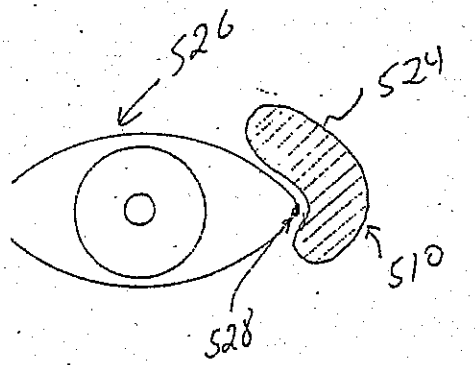


Fig 44B

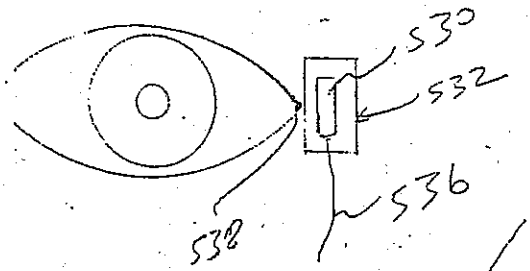
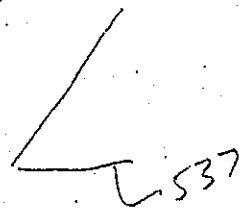


Fig 45A



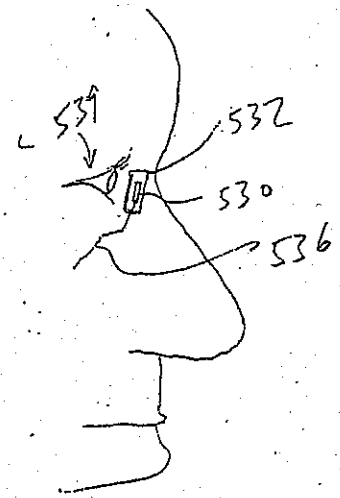


Fig 45B

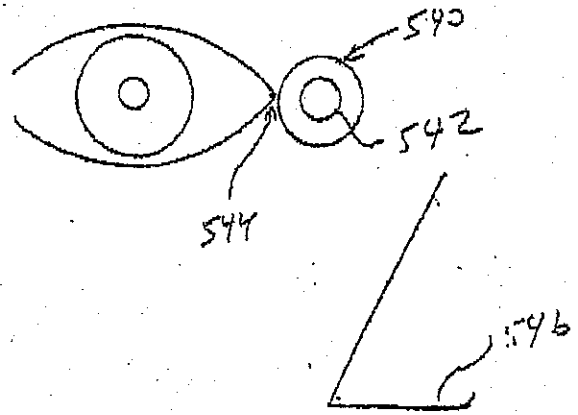


Fig 46A

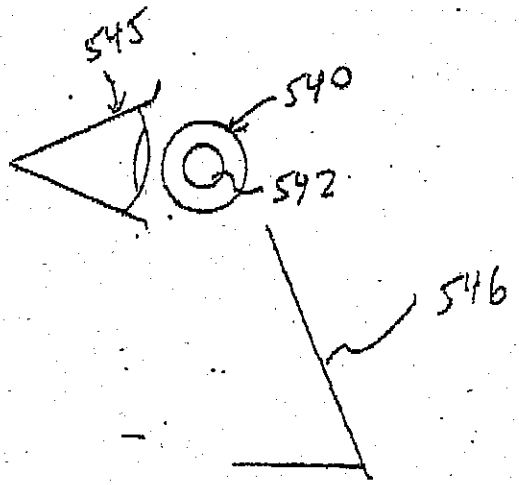


Fig 46B

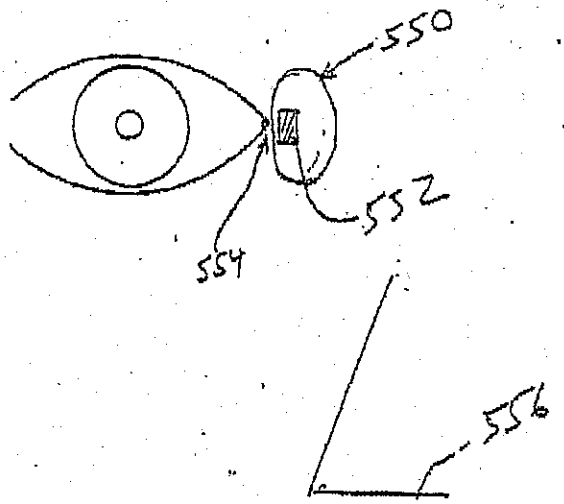


Fig 46C

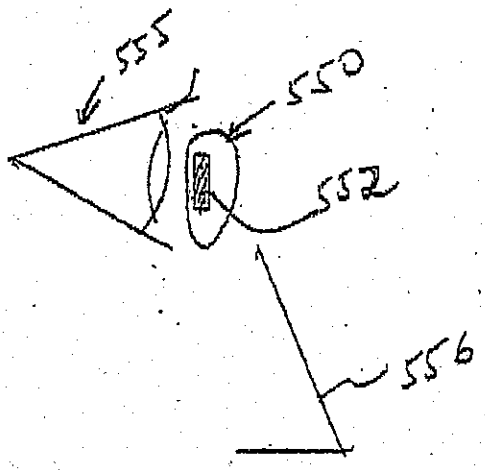


Fig 46D

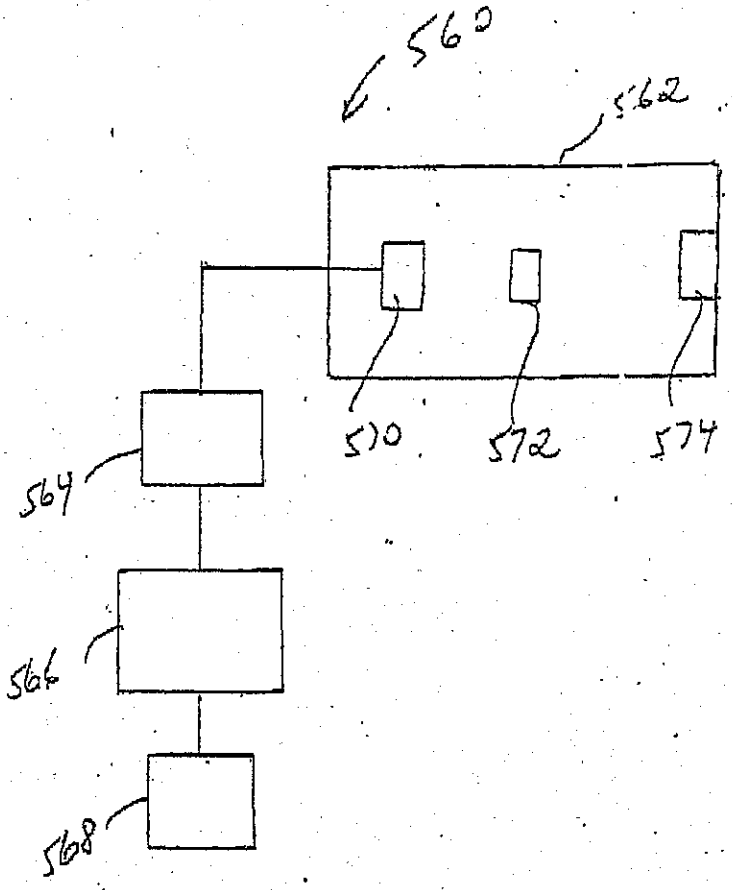
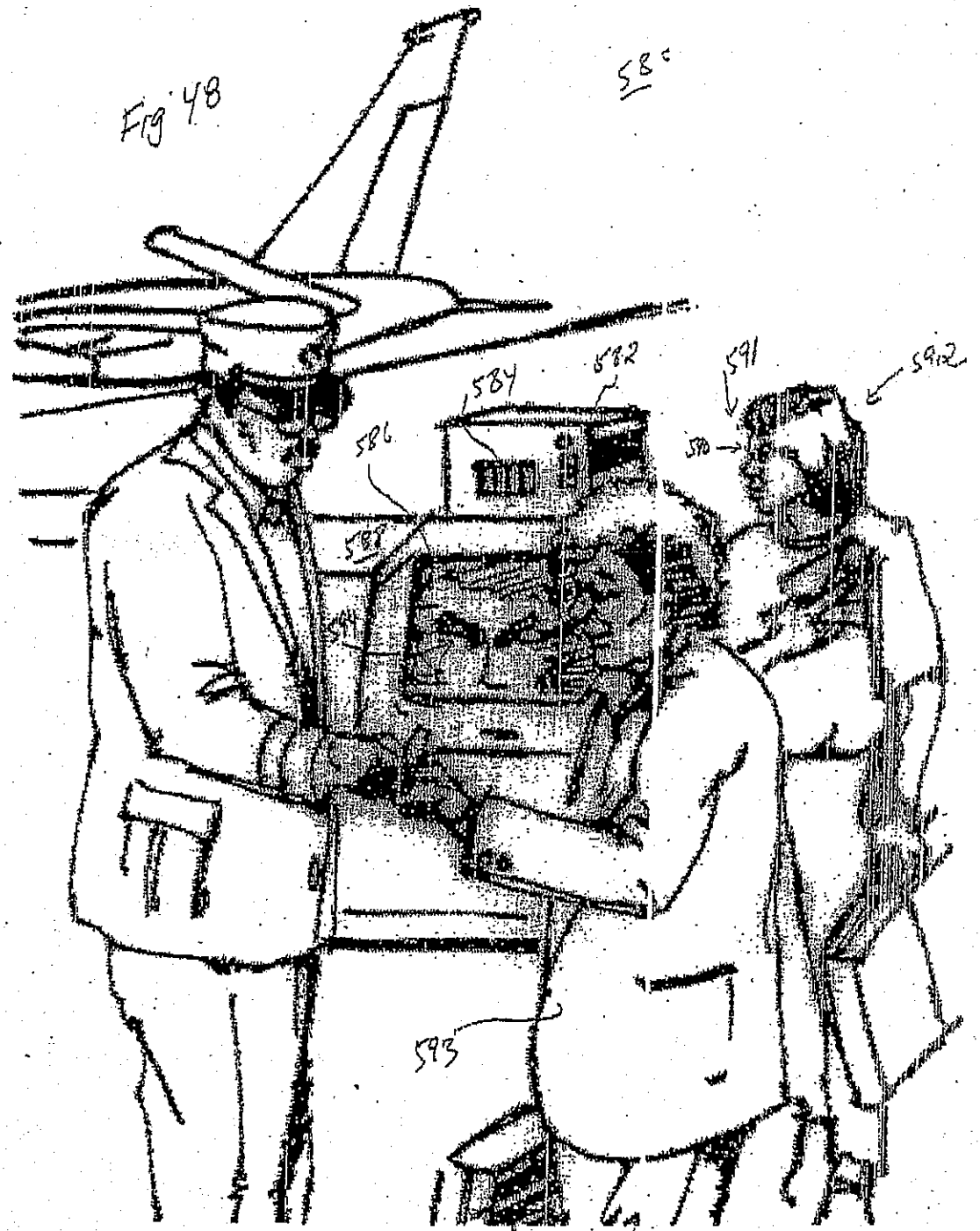


Fig 47

Fig 48



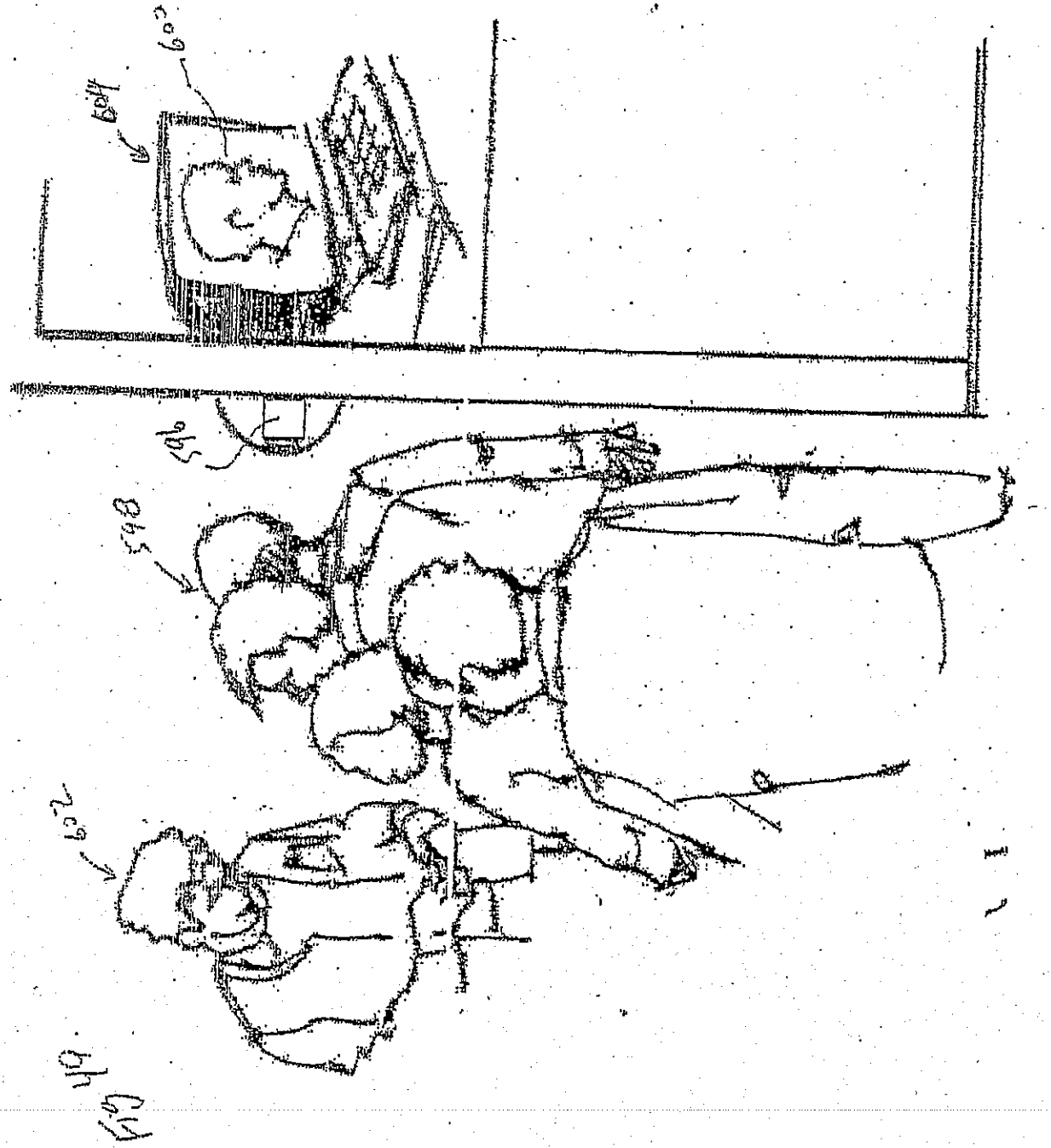
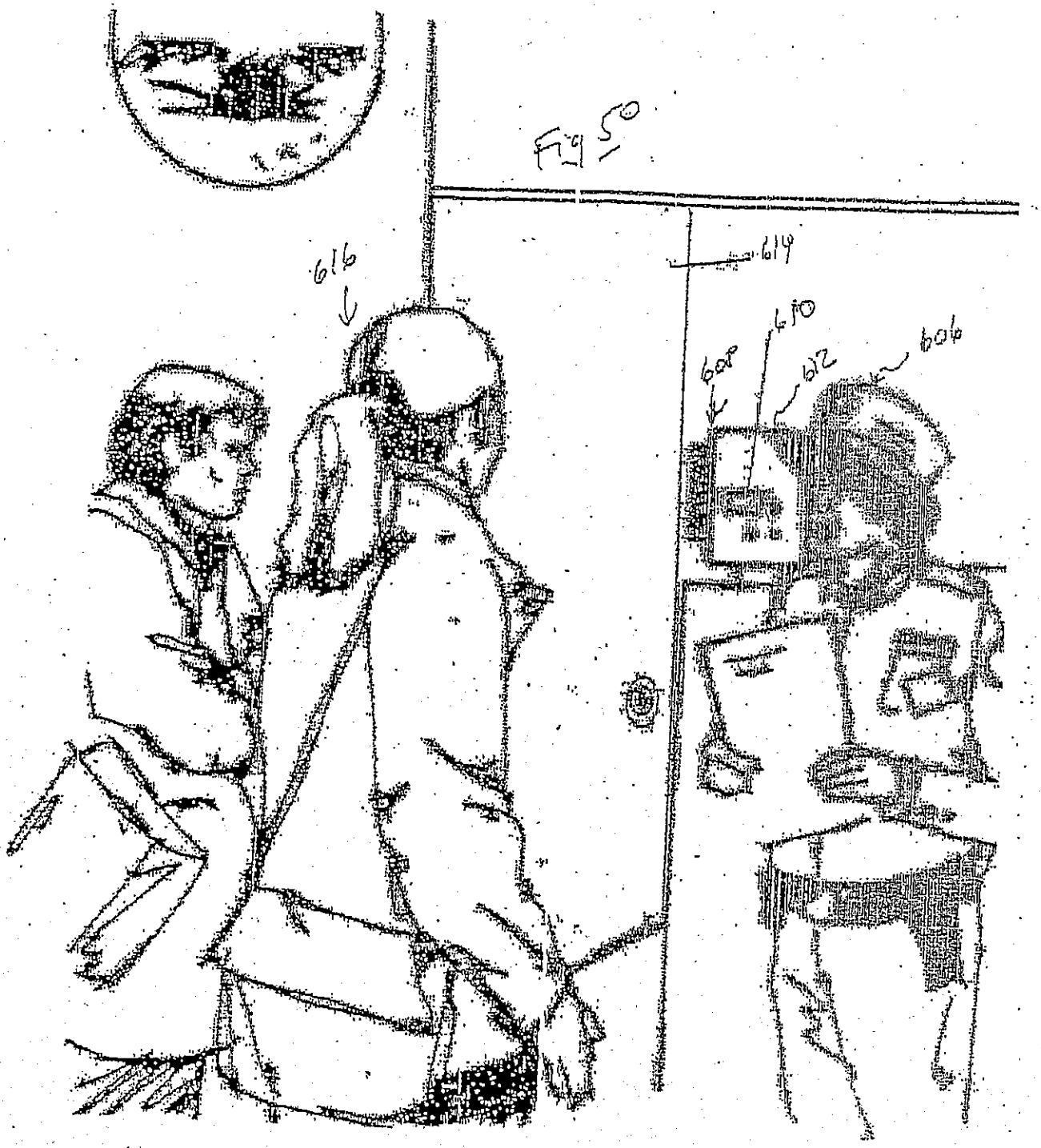


Fig 49


Fig 5C
616
614
610
608
612
606

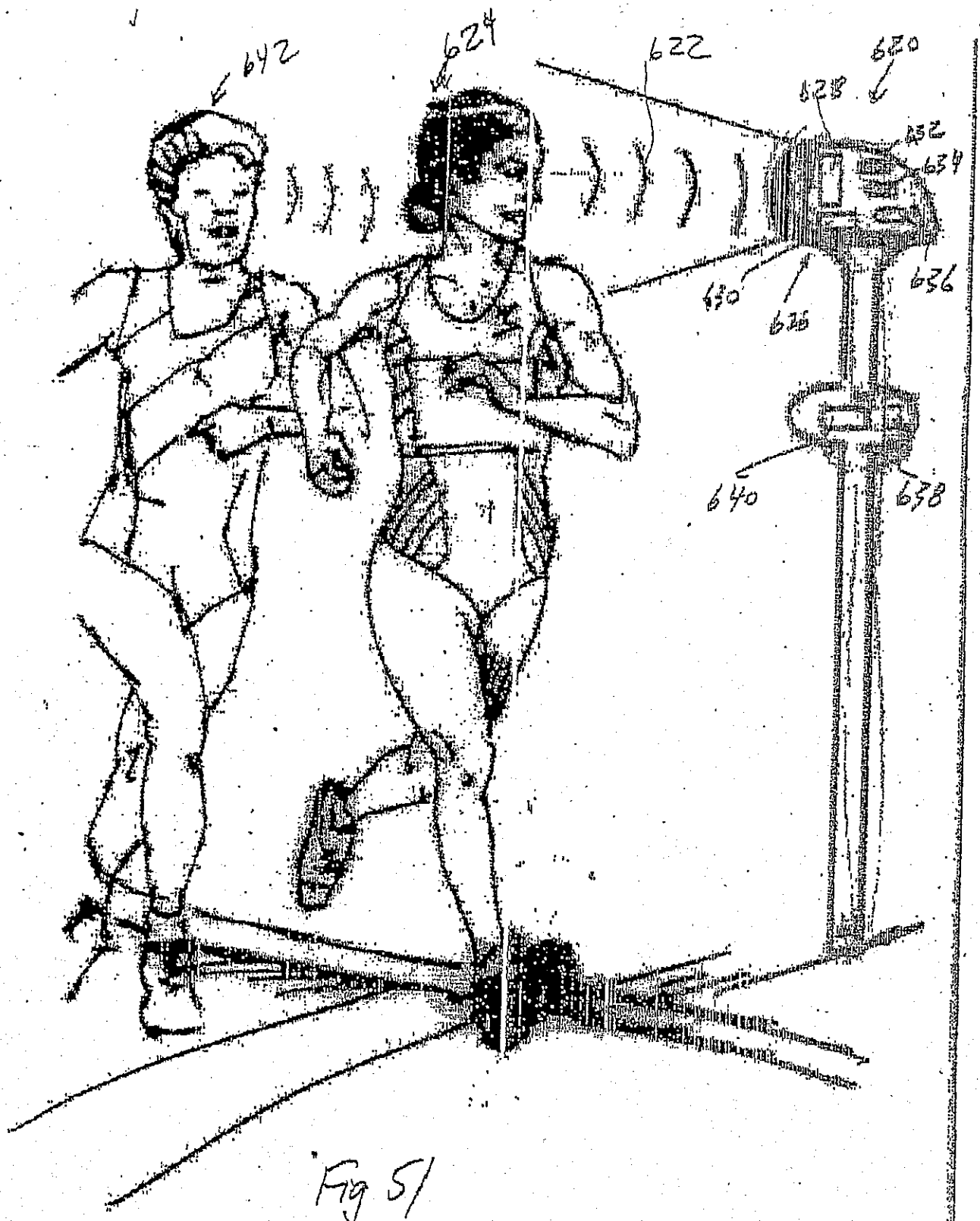


Fig 51

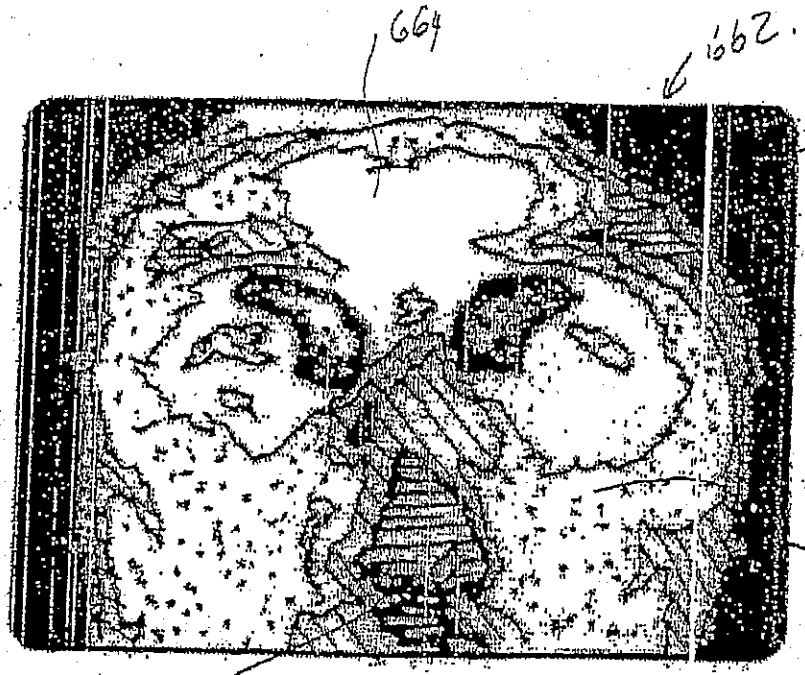


Fig 52B

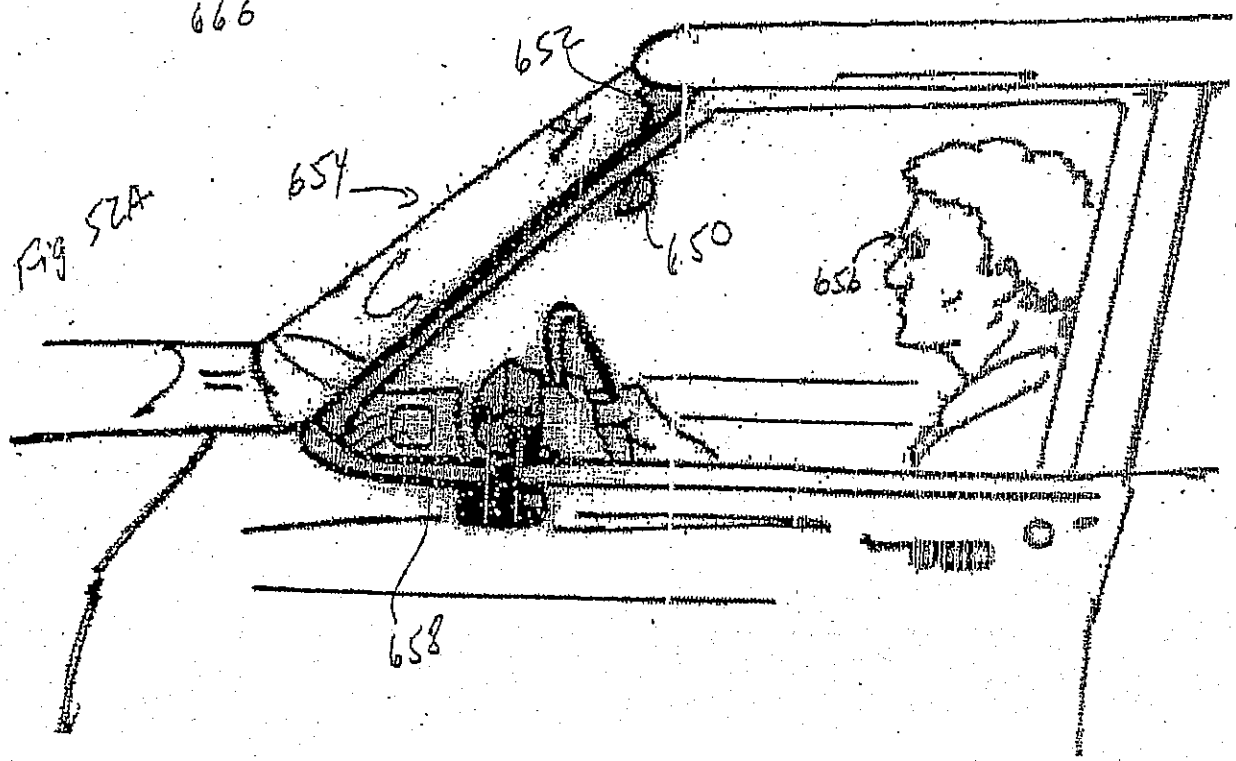
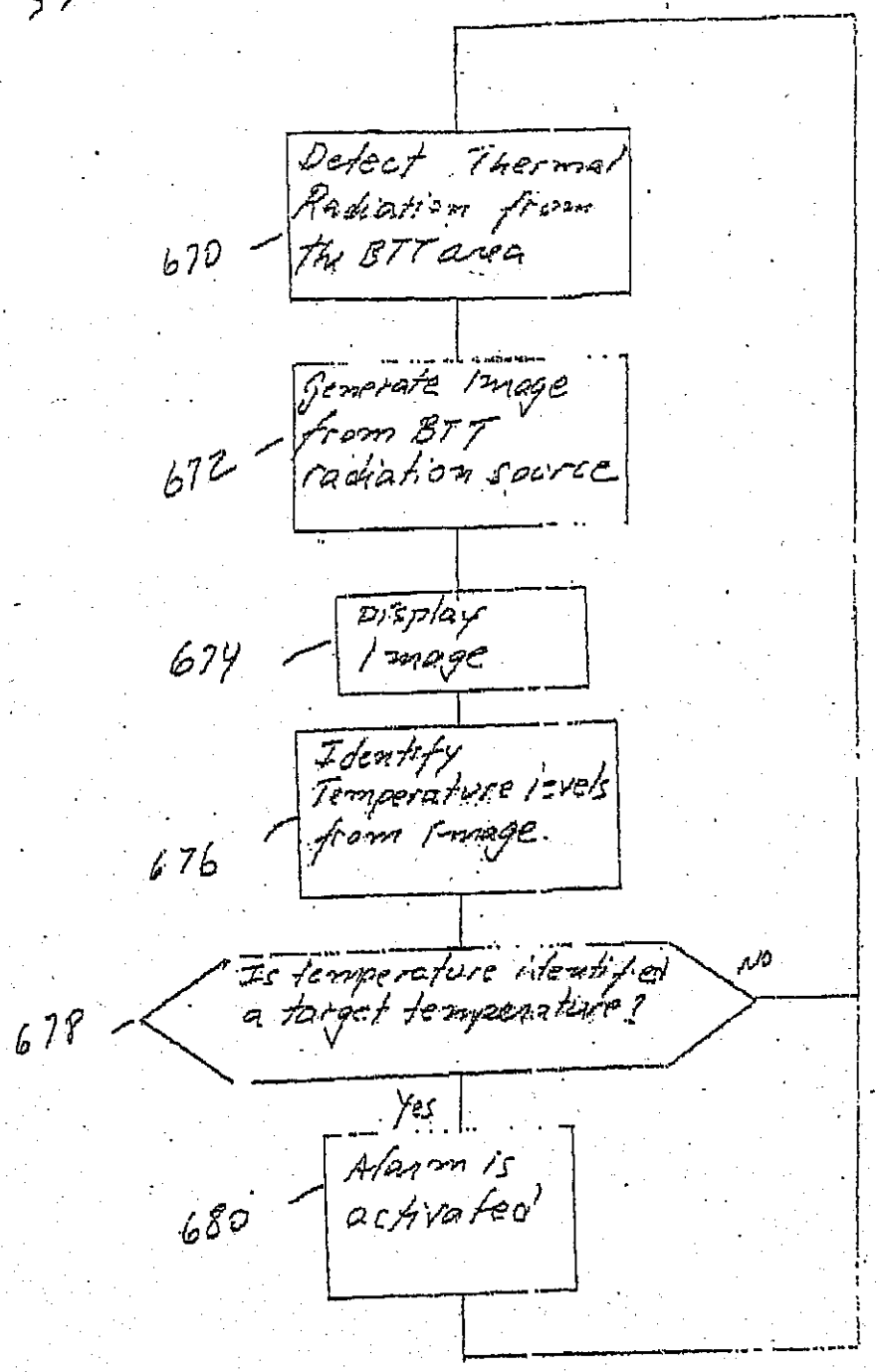
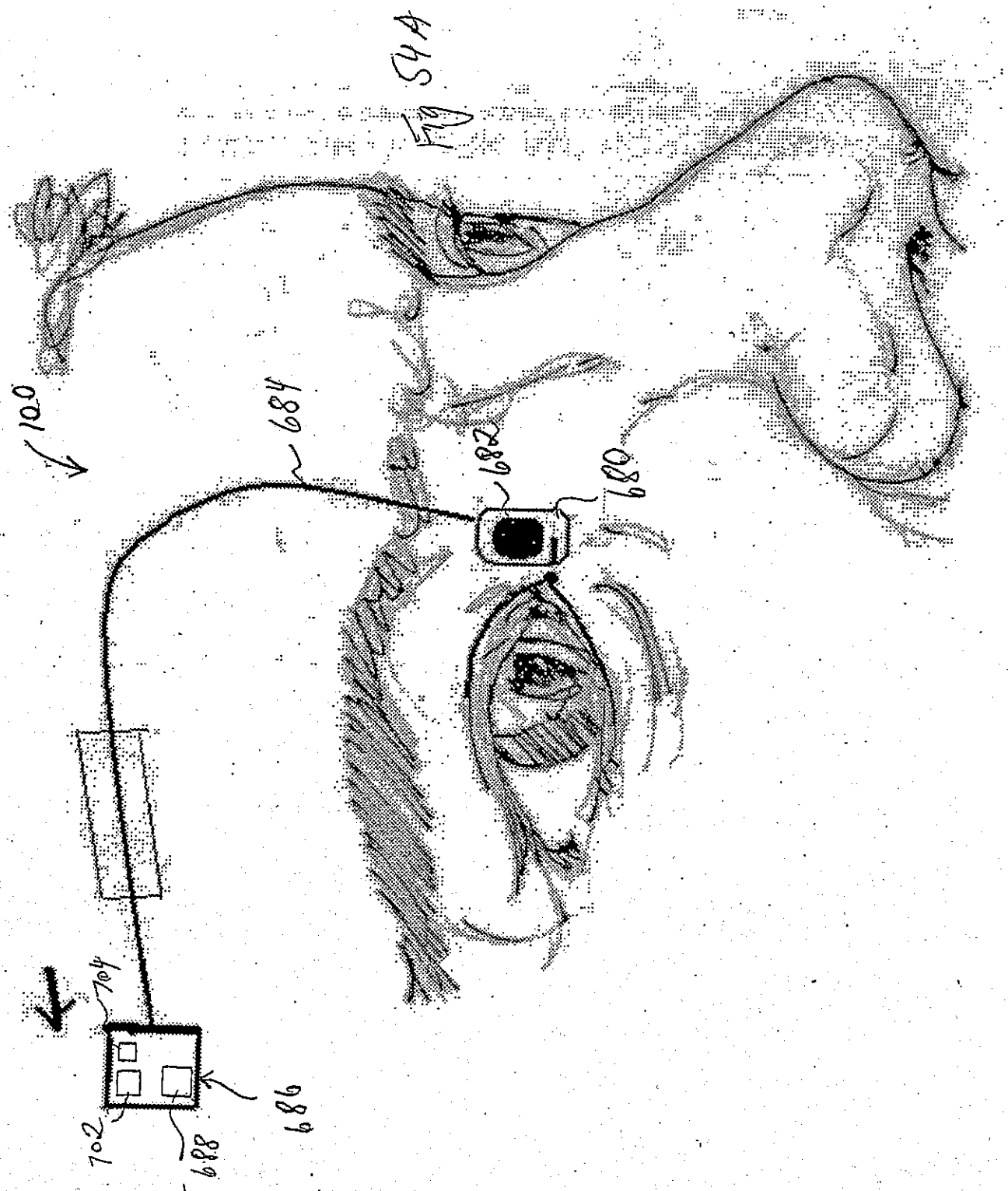


Fig 52A

Fig. 53


Detect Thermal Radiation from the BTT area
670
Generate Image from BTT radiation source
672
Display Image
674
Identify Temperature levels from Image.
676
Is temperature identified a target temperature?
678
NO
Yes
Alarm is activated
680


Fig 54A
100
684
682
680
704
702
688
686

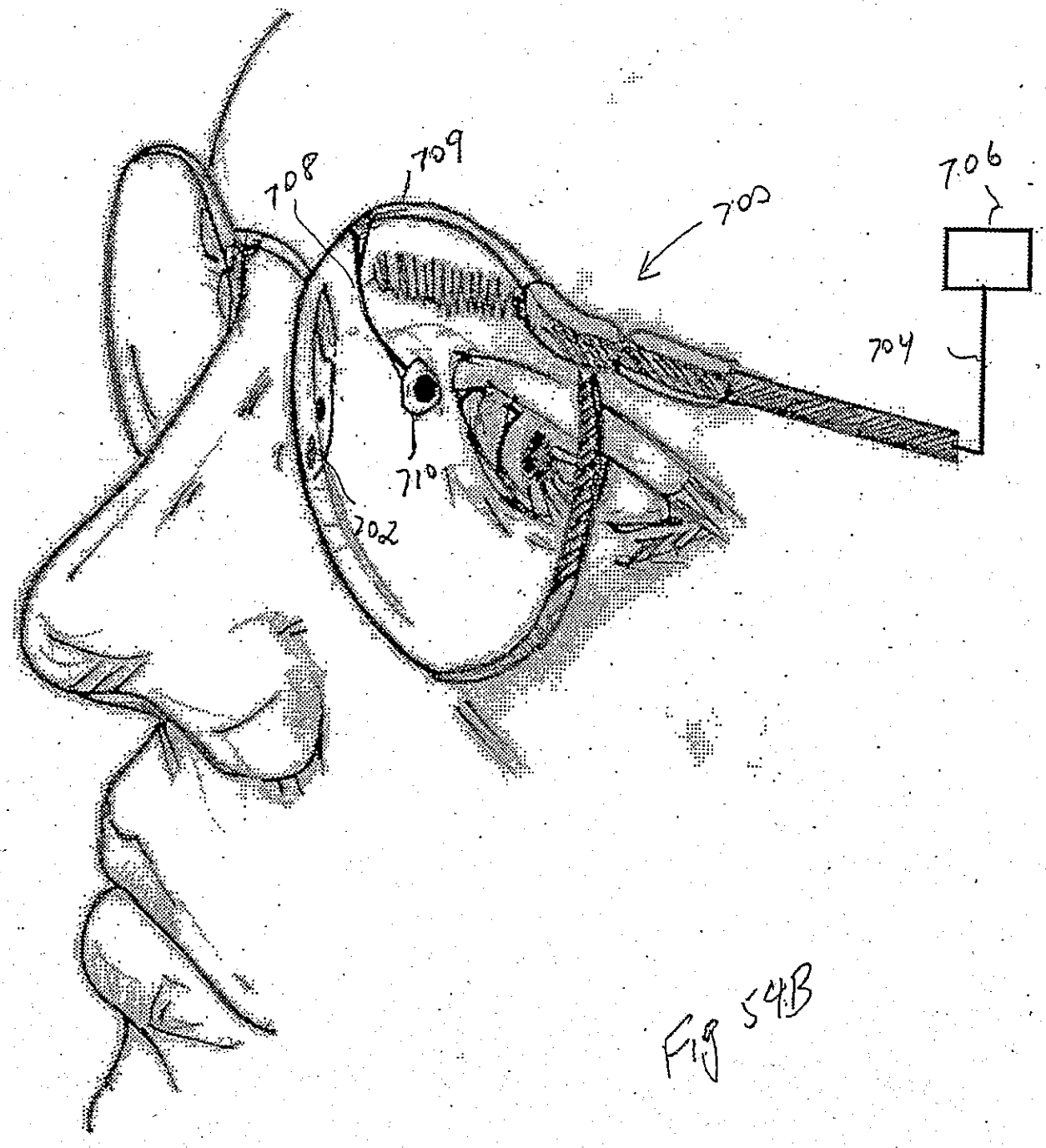


Fig 54B

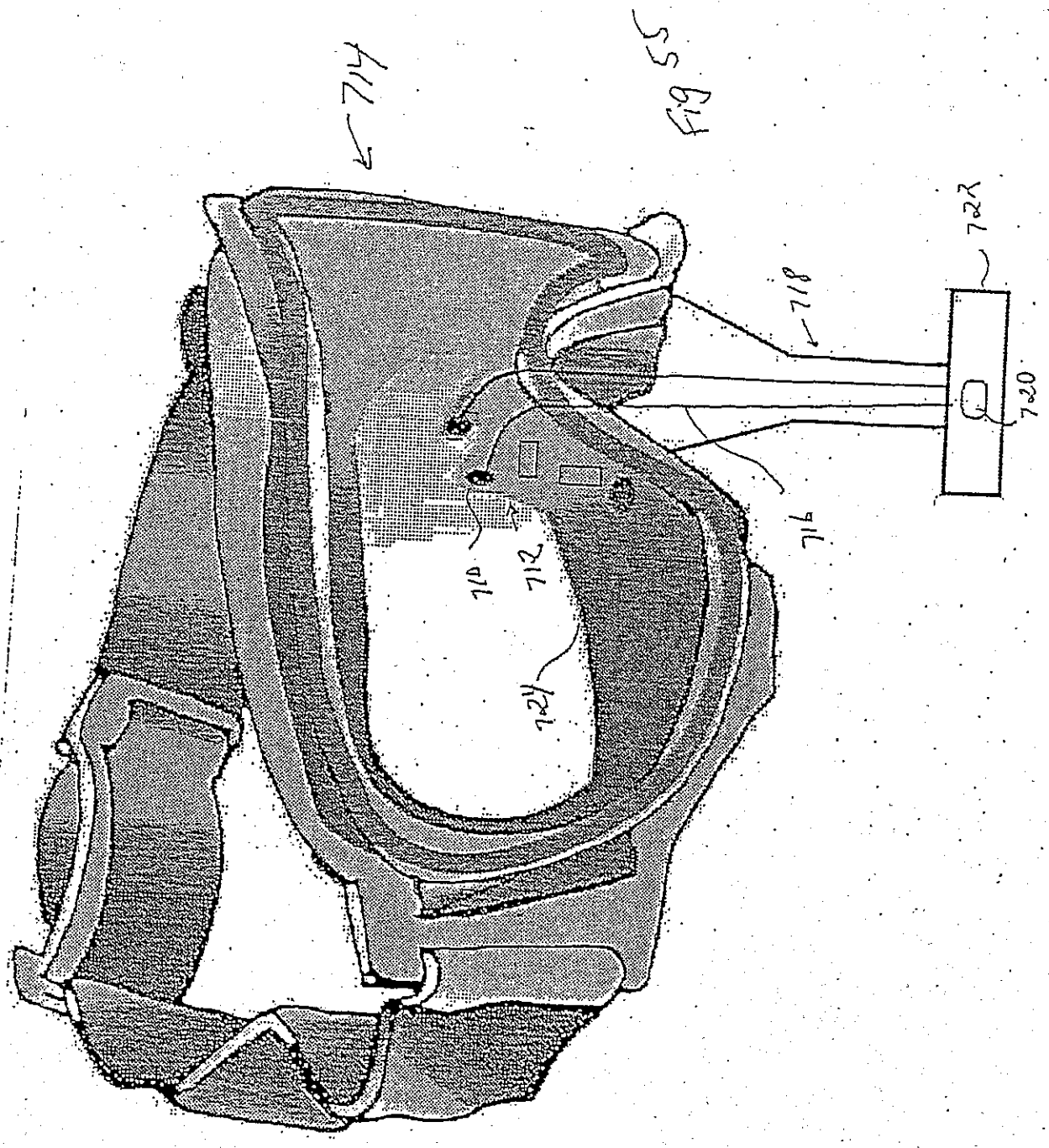


Fig 55

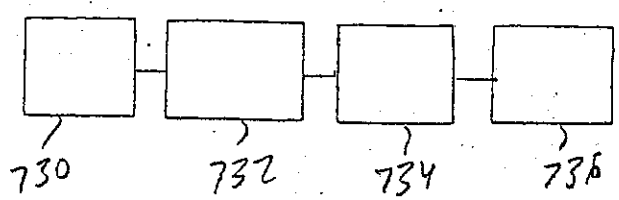


Fig 56A

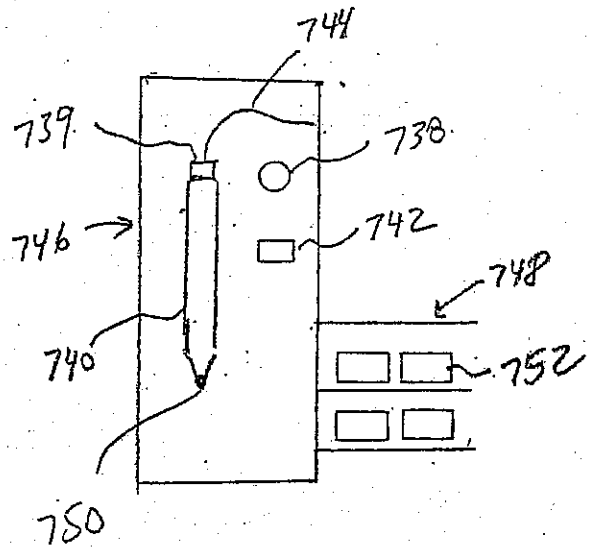


Fig 56B

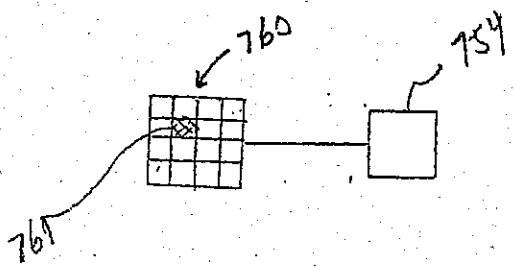


Fig 57

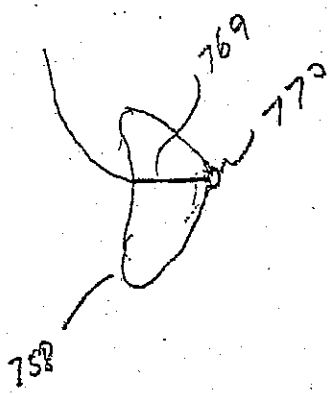


Fig 58A

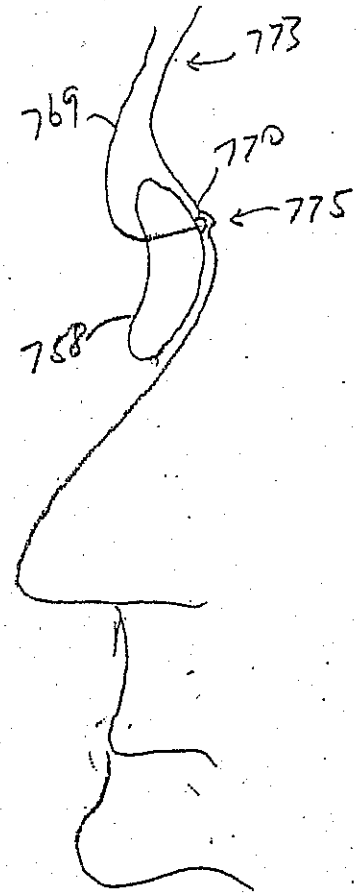
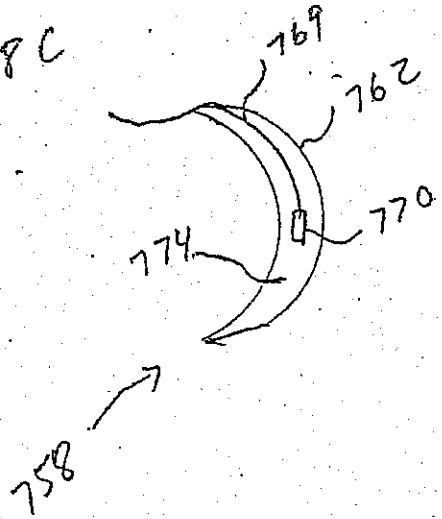


Fig 58B

Fig 58C



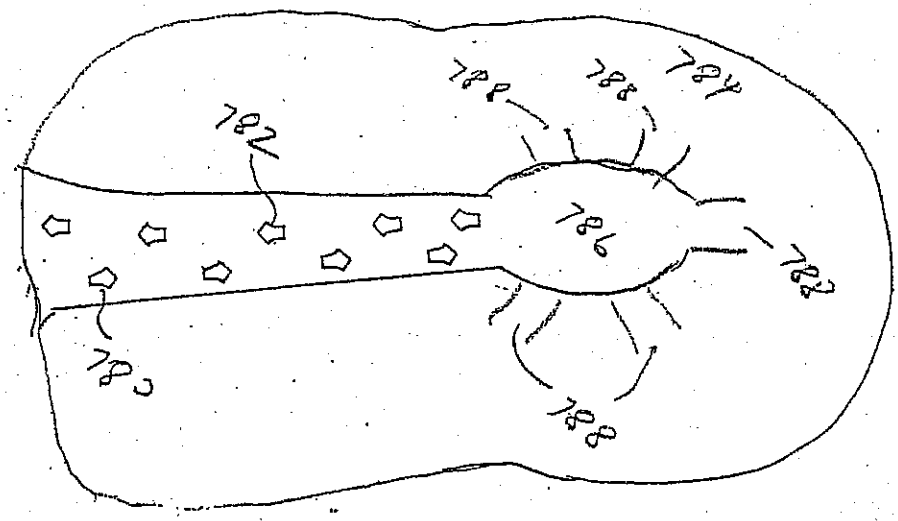


Fig. 59

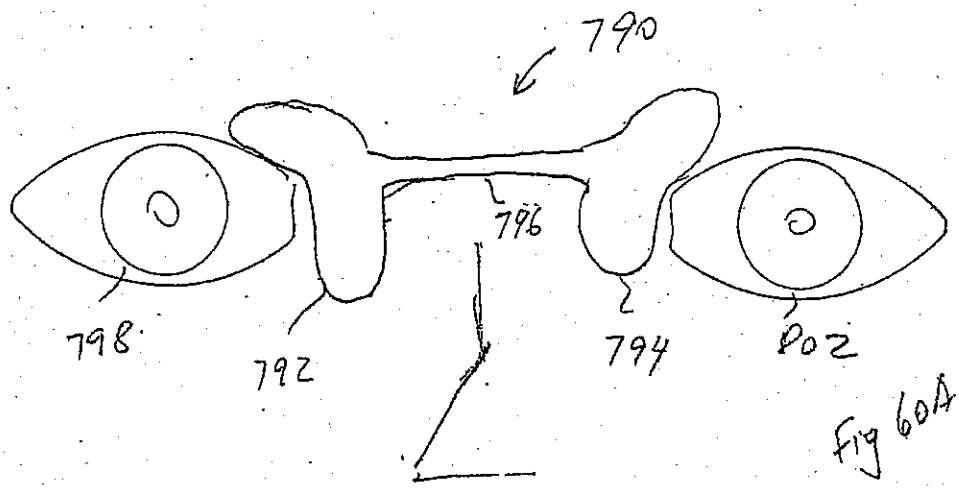


Fig 60A

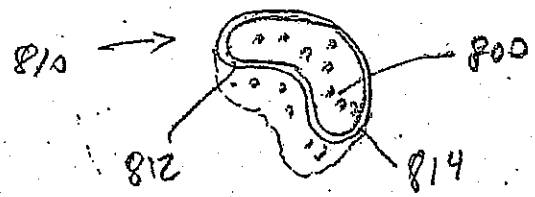


Fig 60B

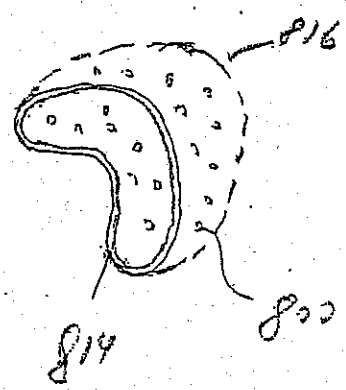


Fig 60C

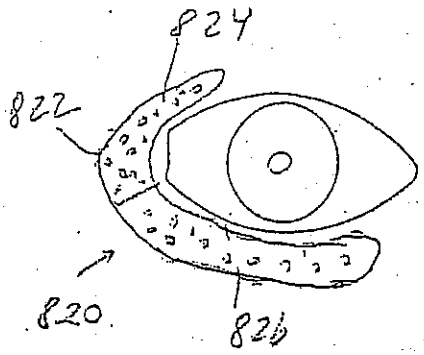


Fig 61

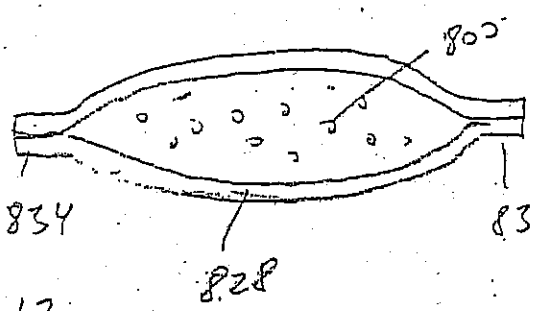


Fig 62

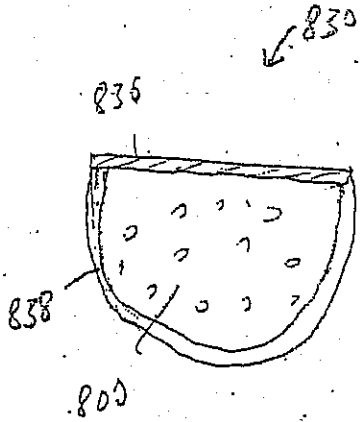


Fig 63A

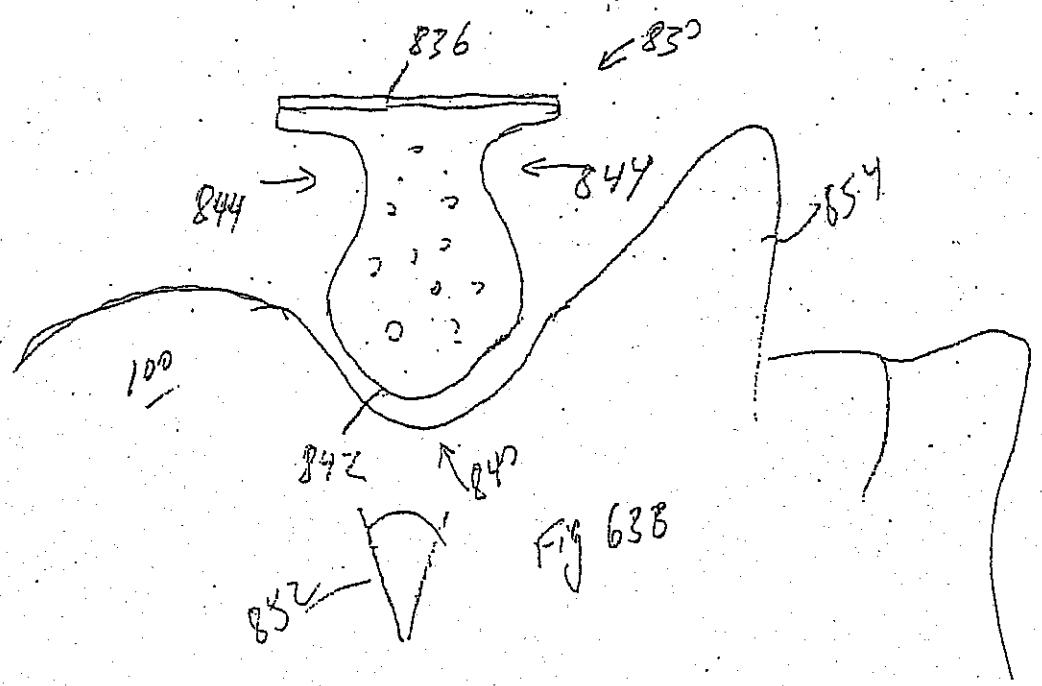


Fig 63B

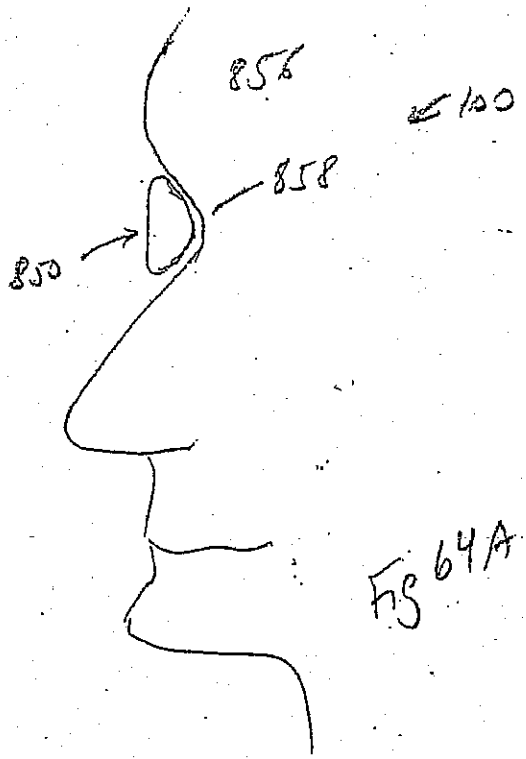


Fig 64A

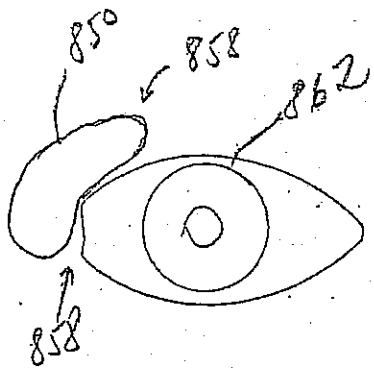


Fig 64B

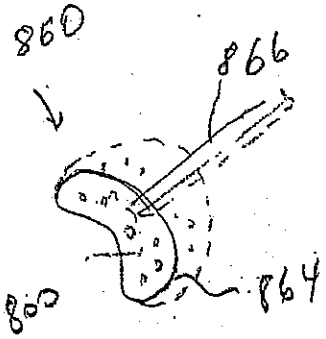


Fig 65

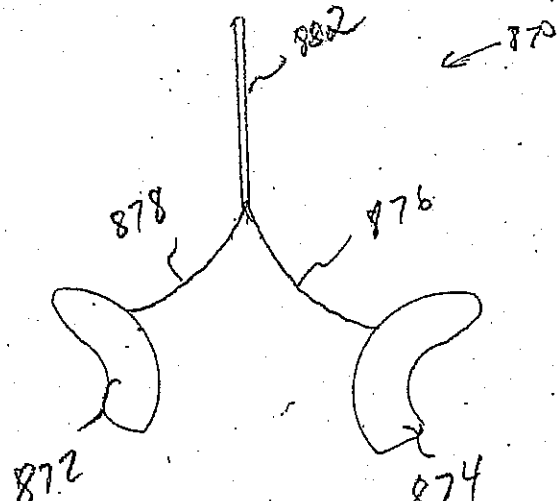


Fig 66

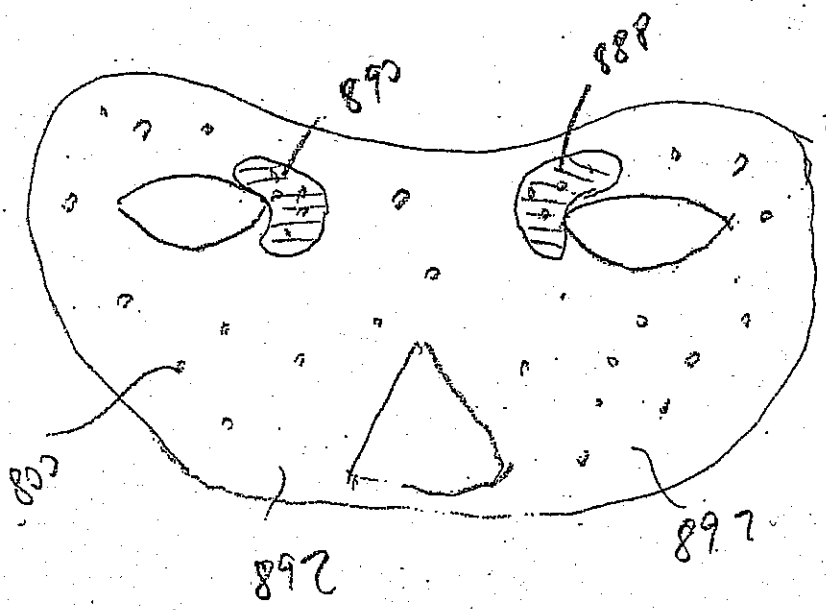


Fig 67A

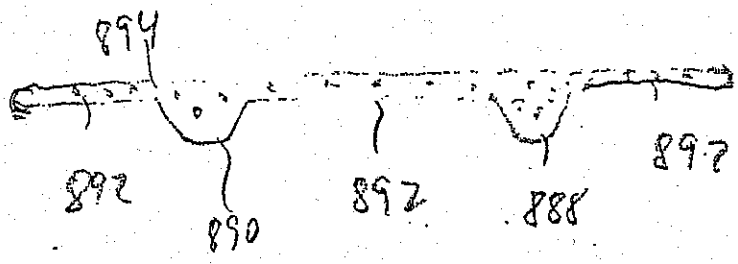


Fig 67B

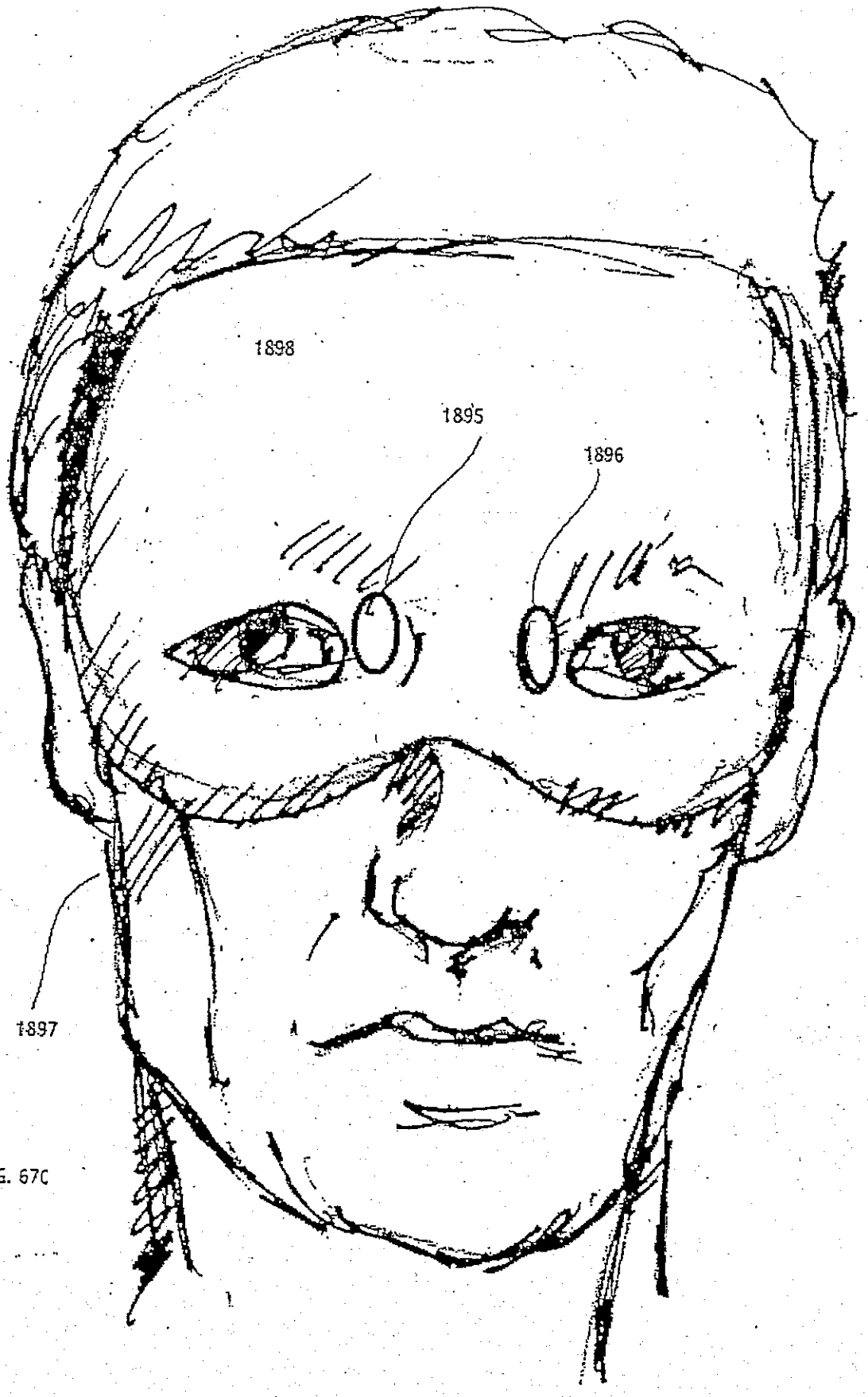


FIG. 67C

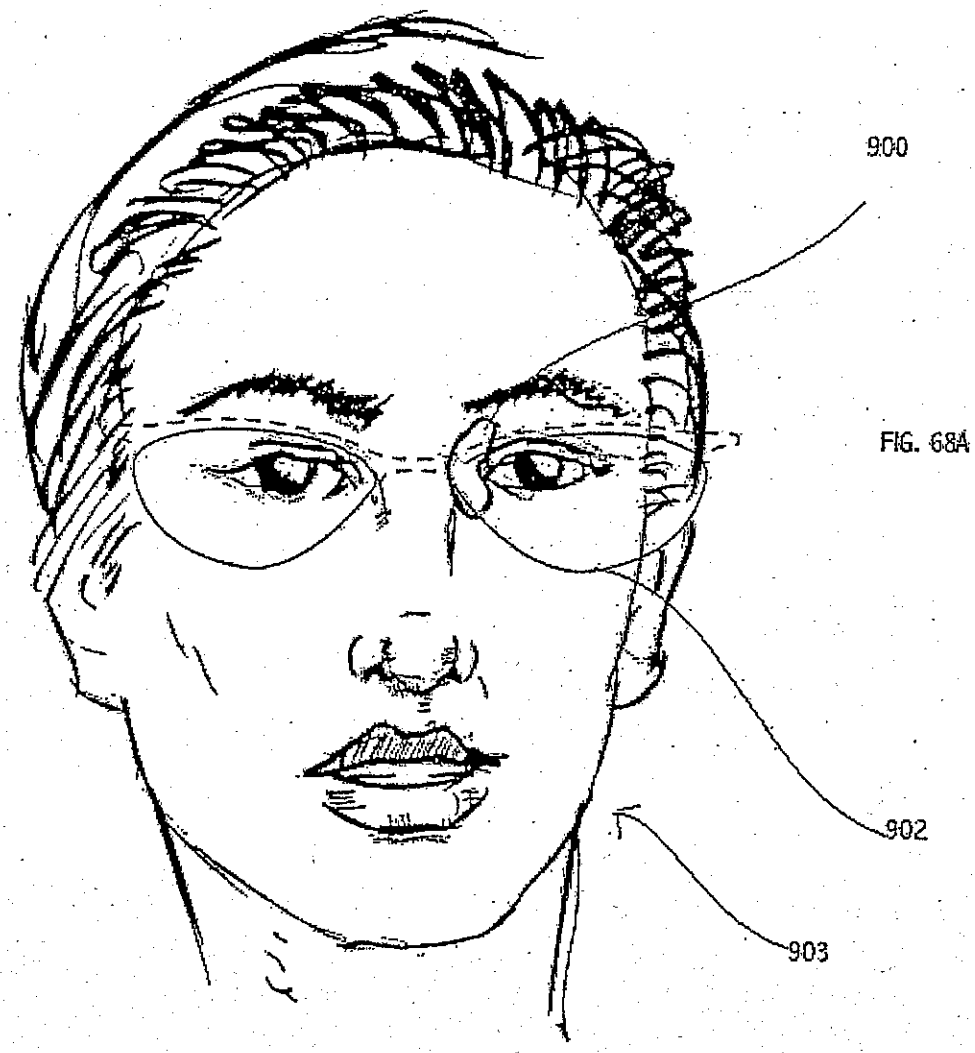


FIG. 68A

FIG. 68B



FIG. 69A



FIG.69B

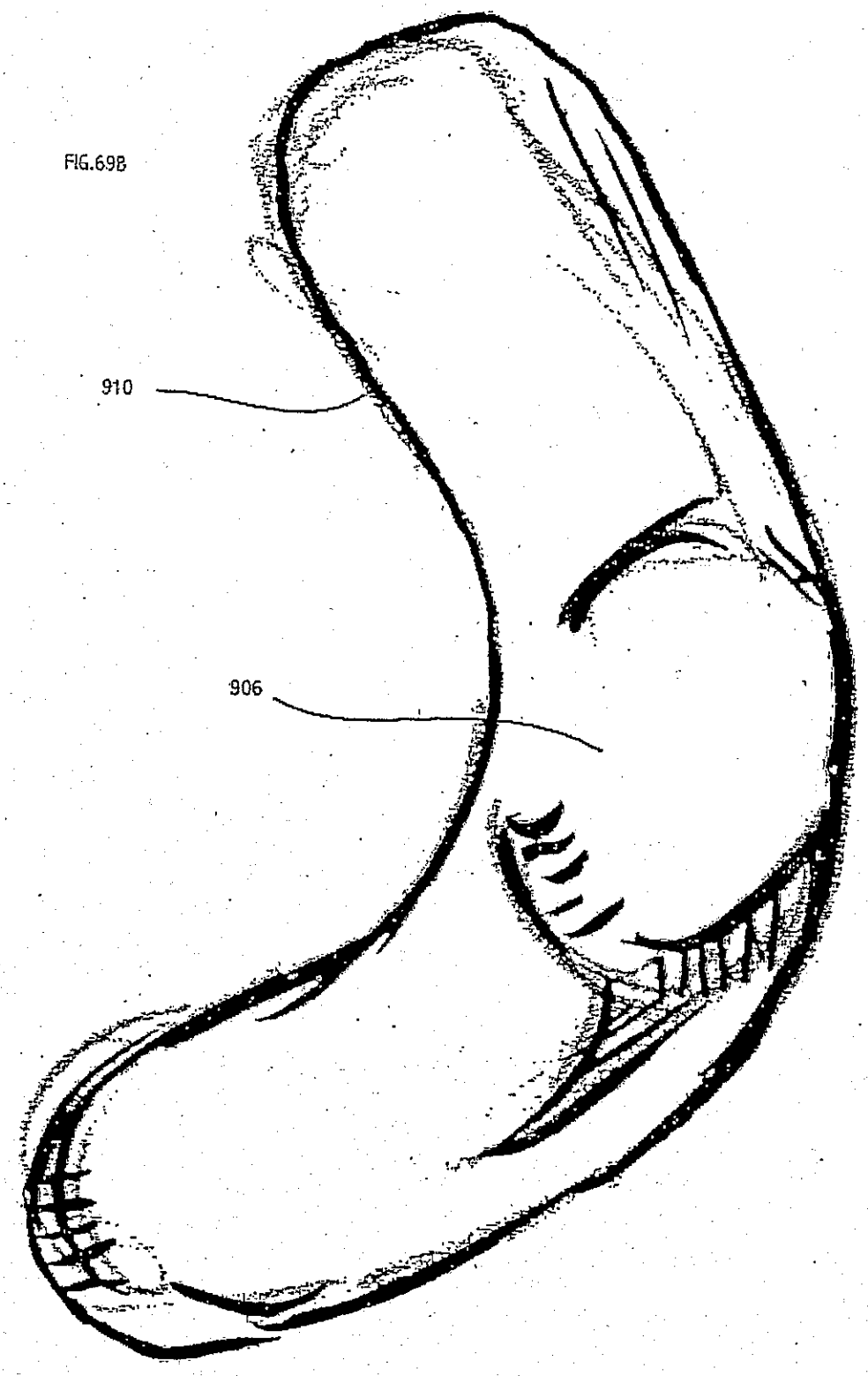


FIG. 69C

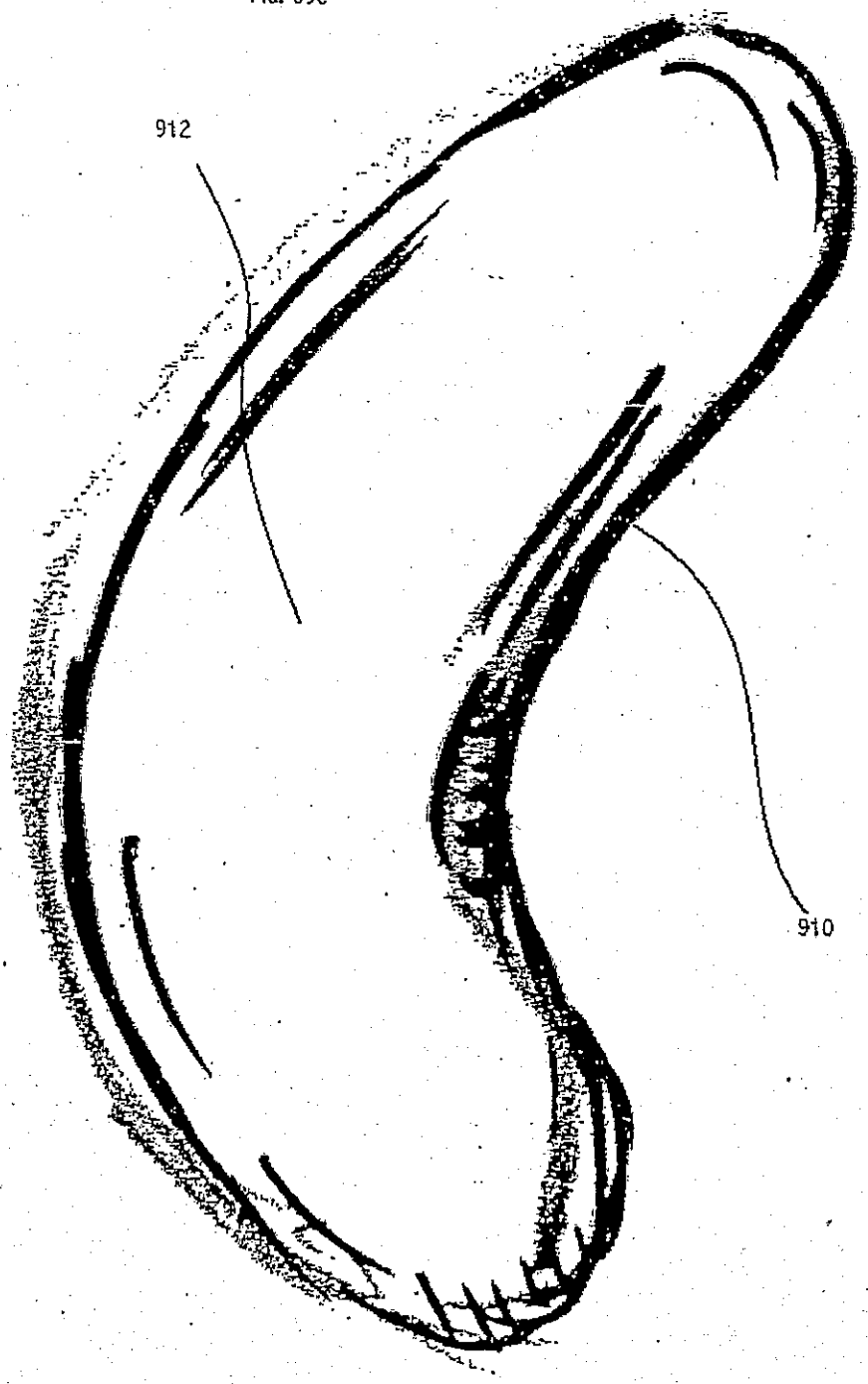




Fig 69D

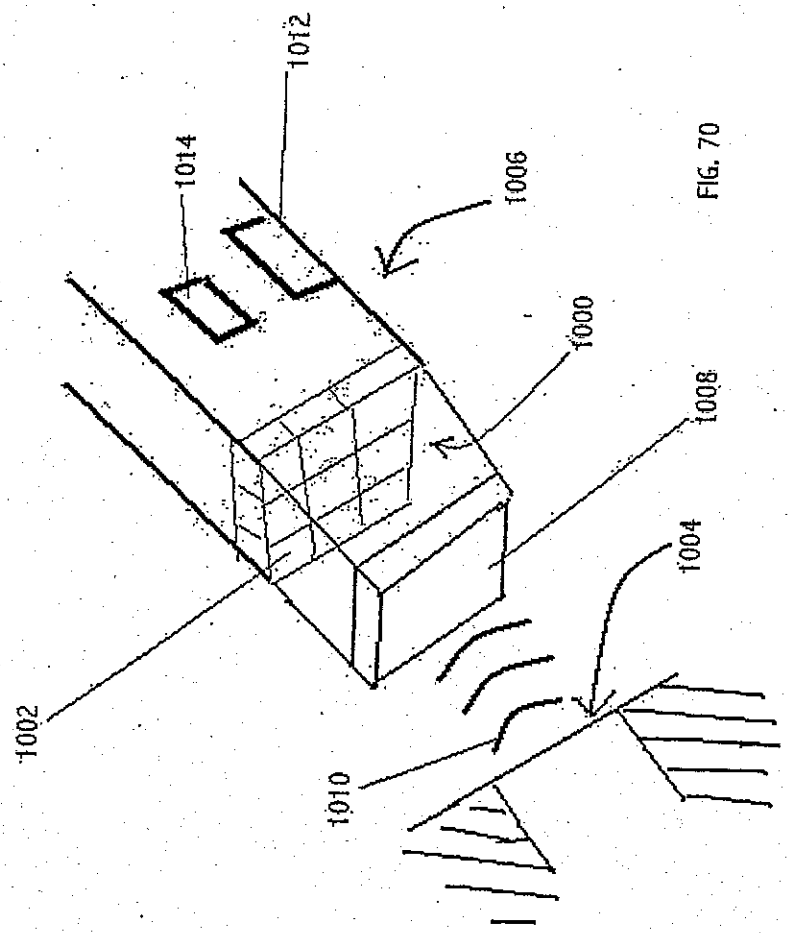


FIG. 70

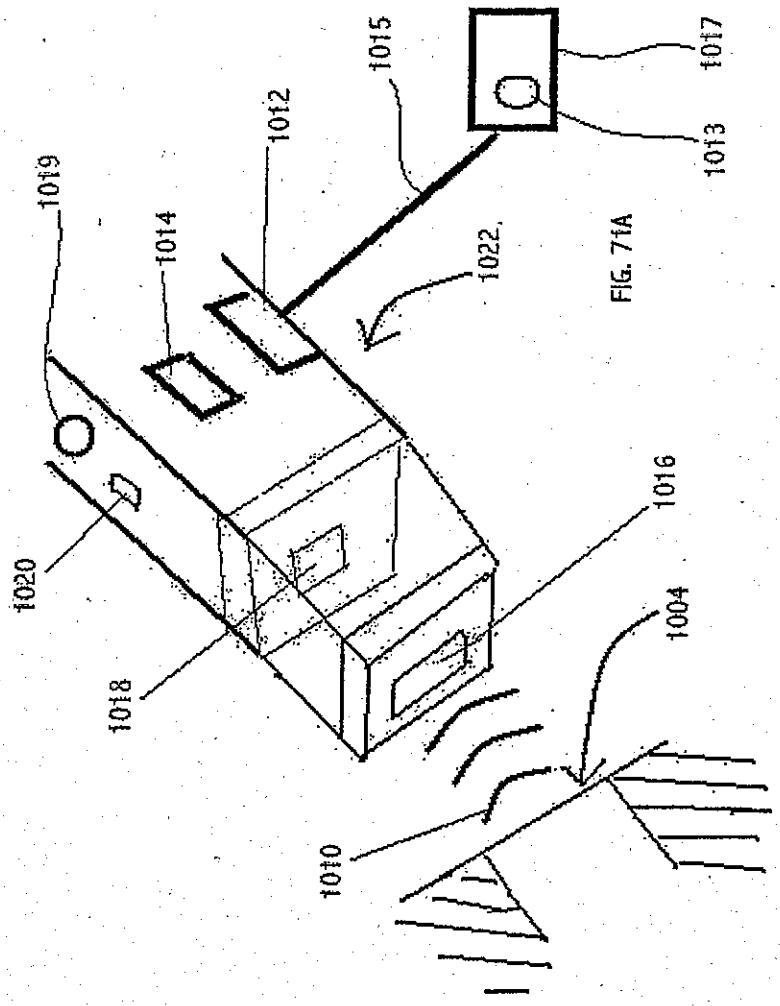


FIG. 71A

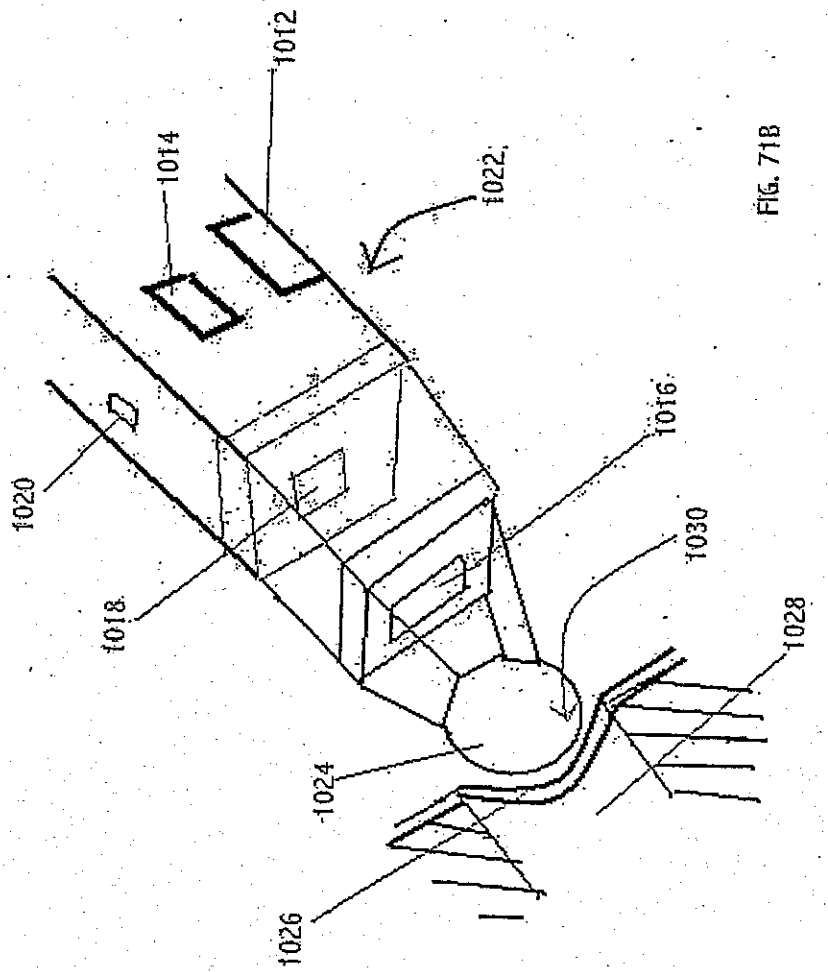


Fig. 71B

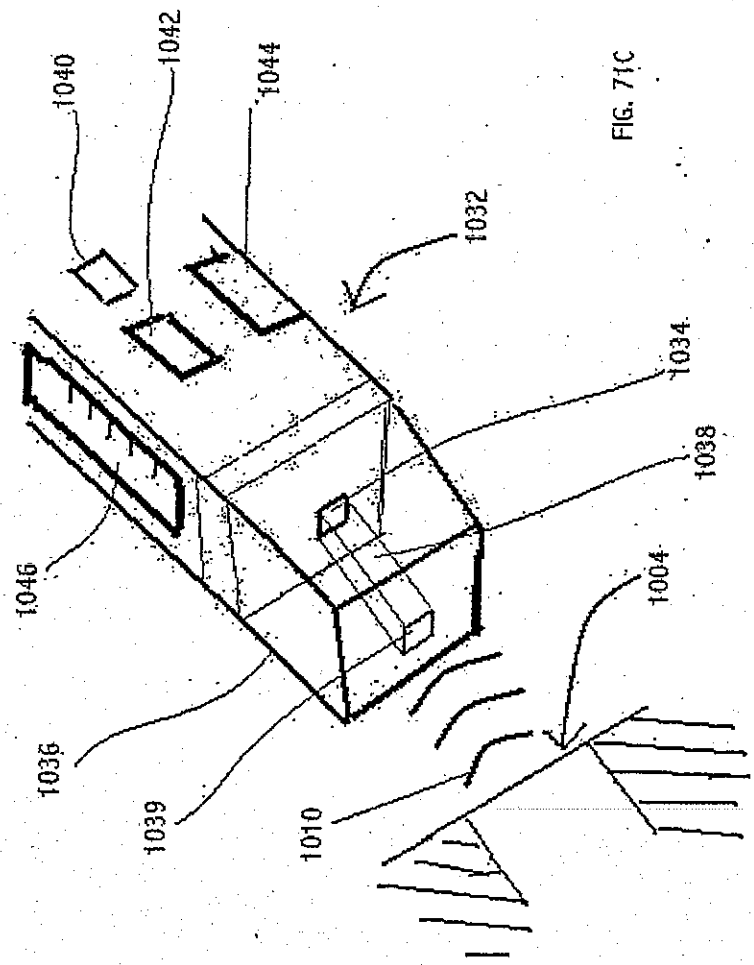


FIG. 71C

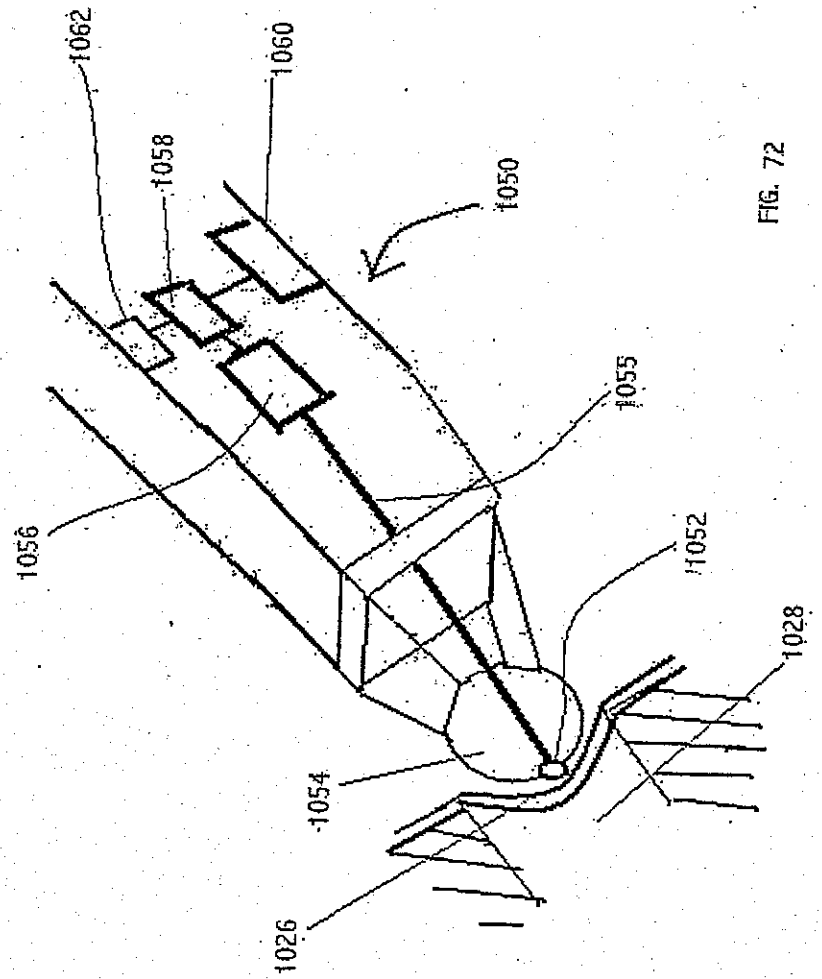


FIG. 72

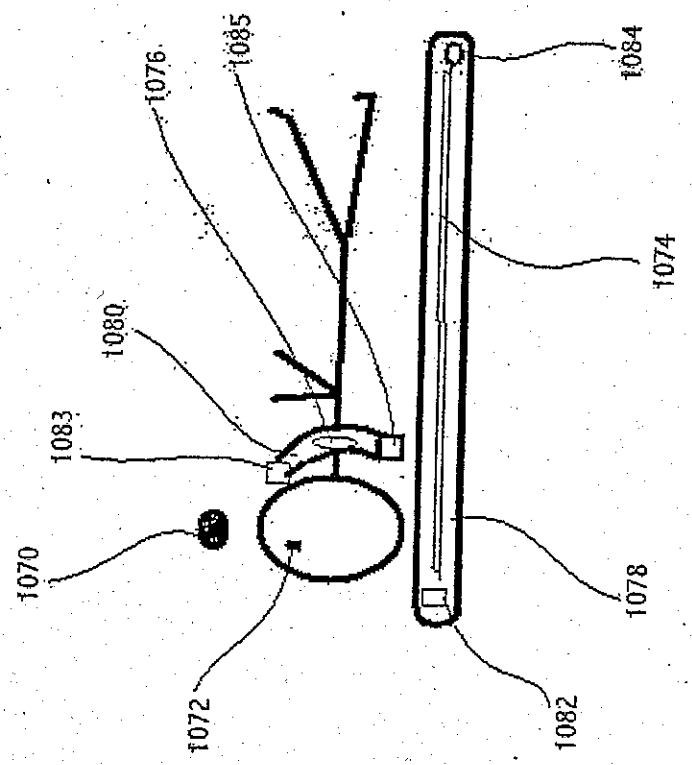


FIG. 73

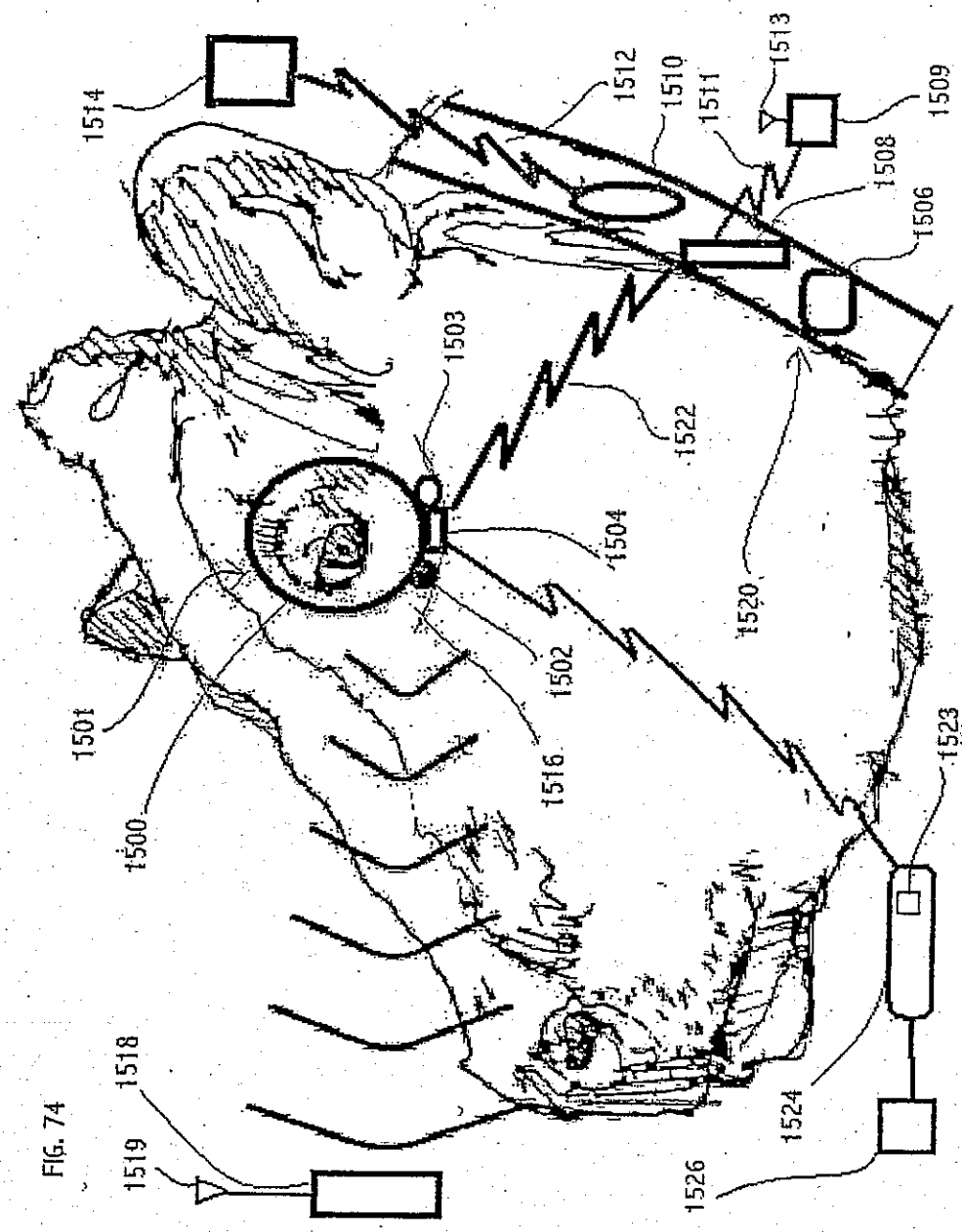

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FIG. 74

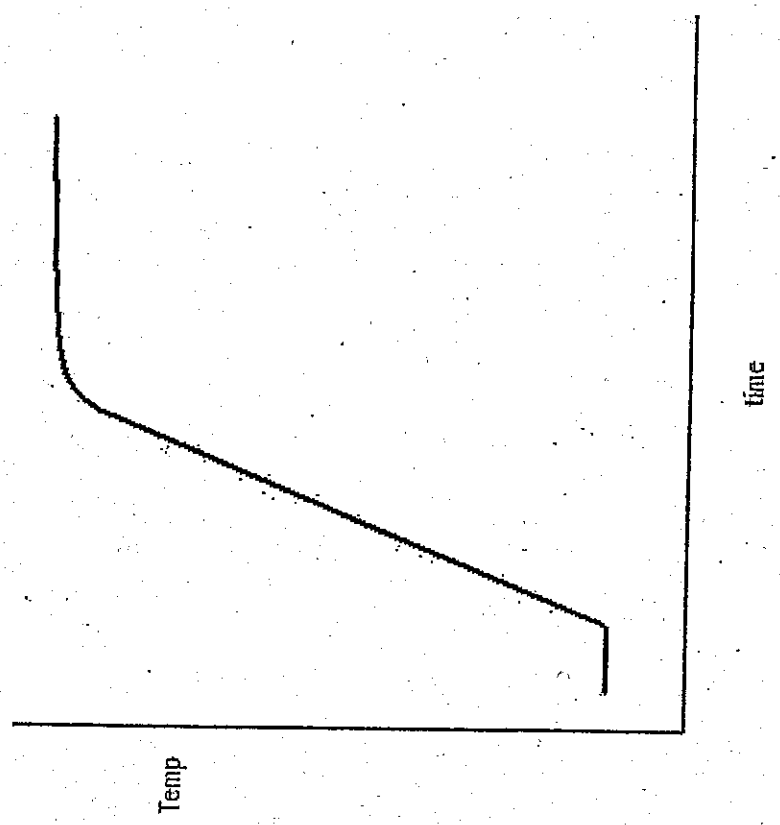


FIG 75A

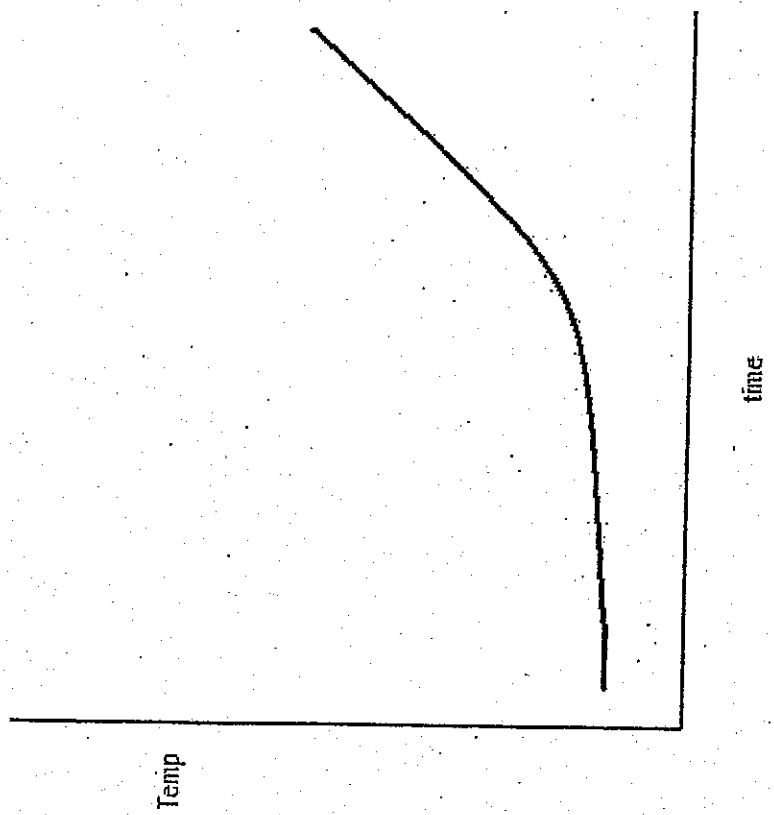


FIG 75B

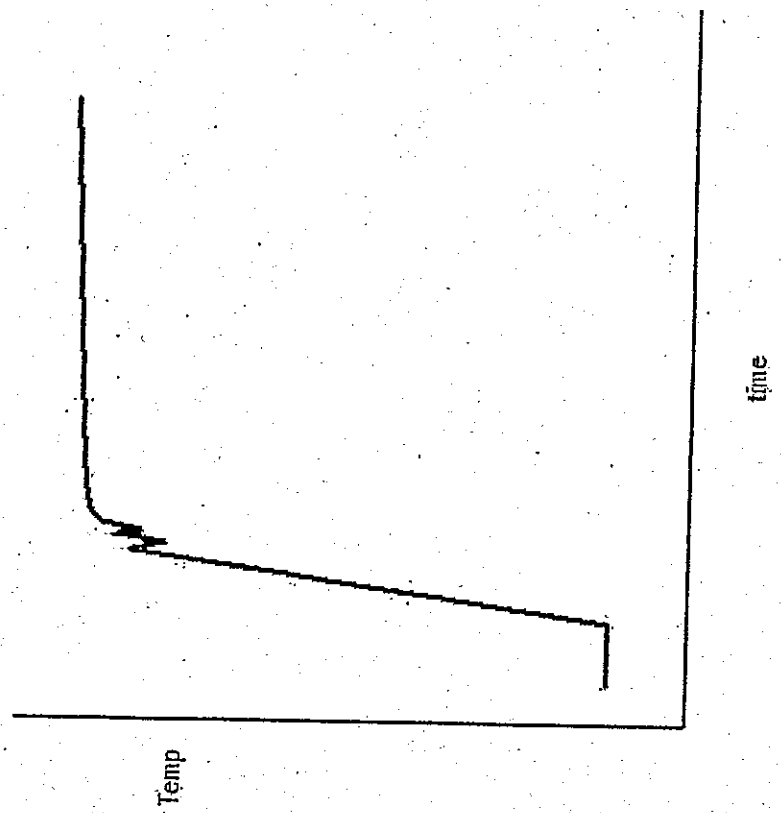


FIG 75C

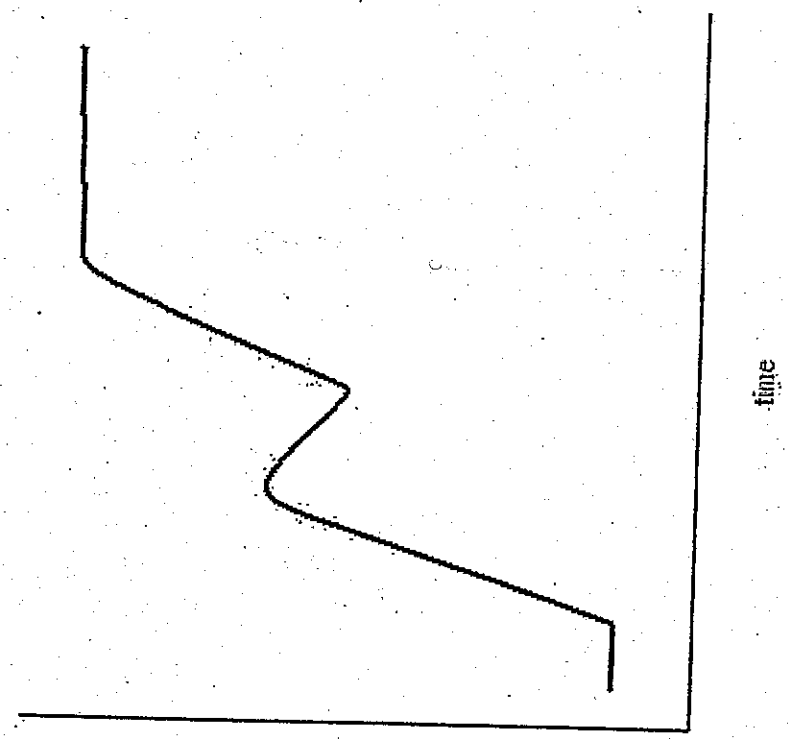


Fig. 75D

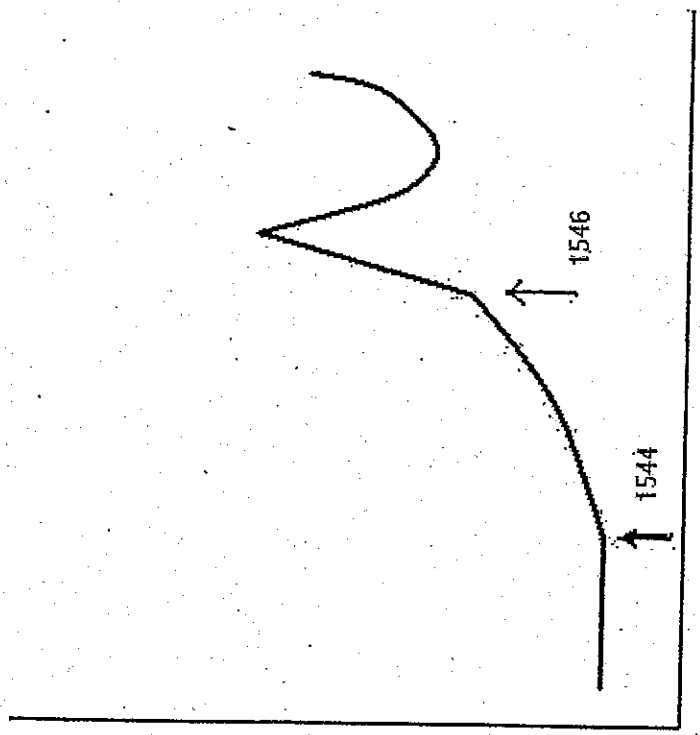
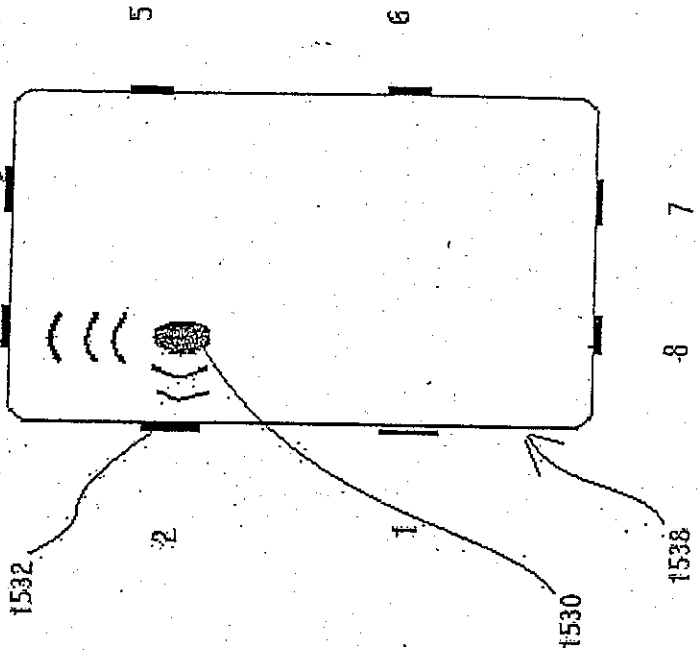


FIG 75E

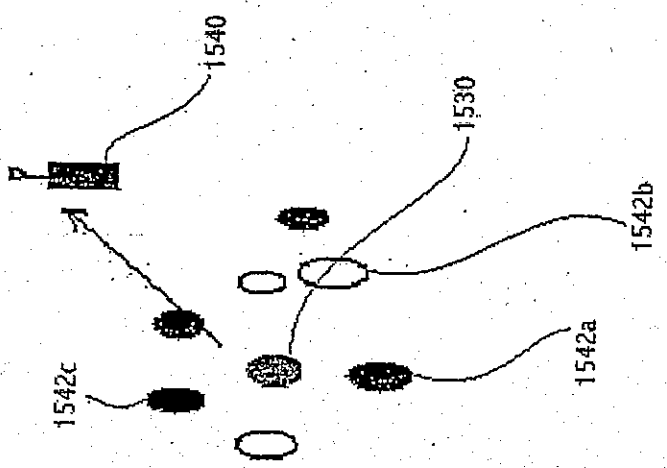
FIRST STEP: C. SCREEN

Fig. 76A



SECOND STEP:
RADIO ROV DIRECTION FINDER

Fig 76B



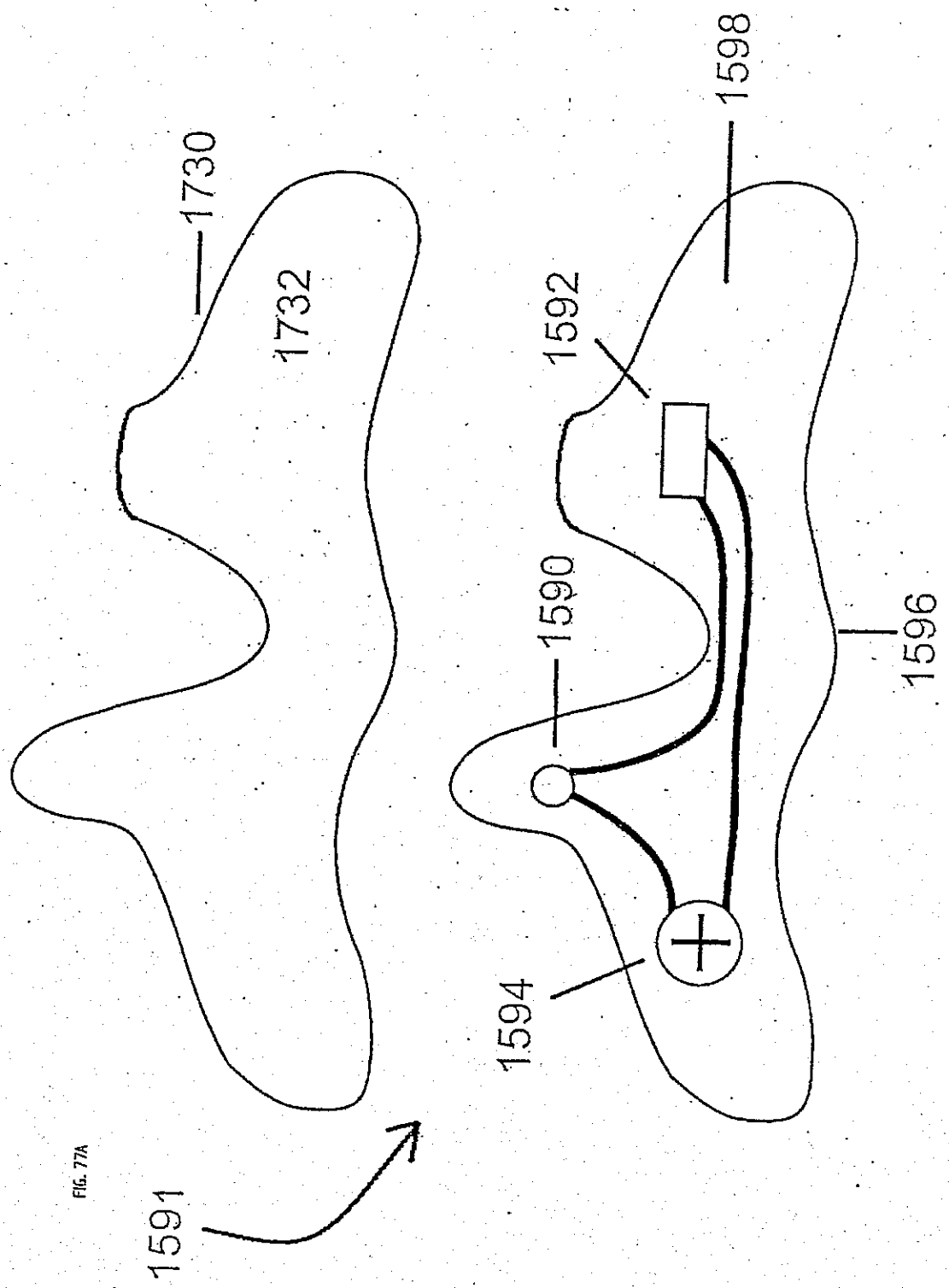


FIG. 77A

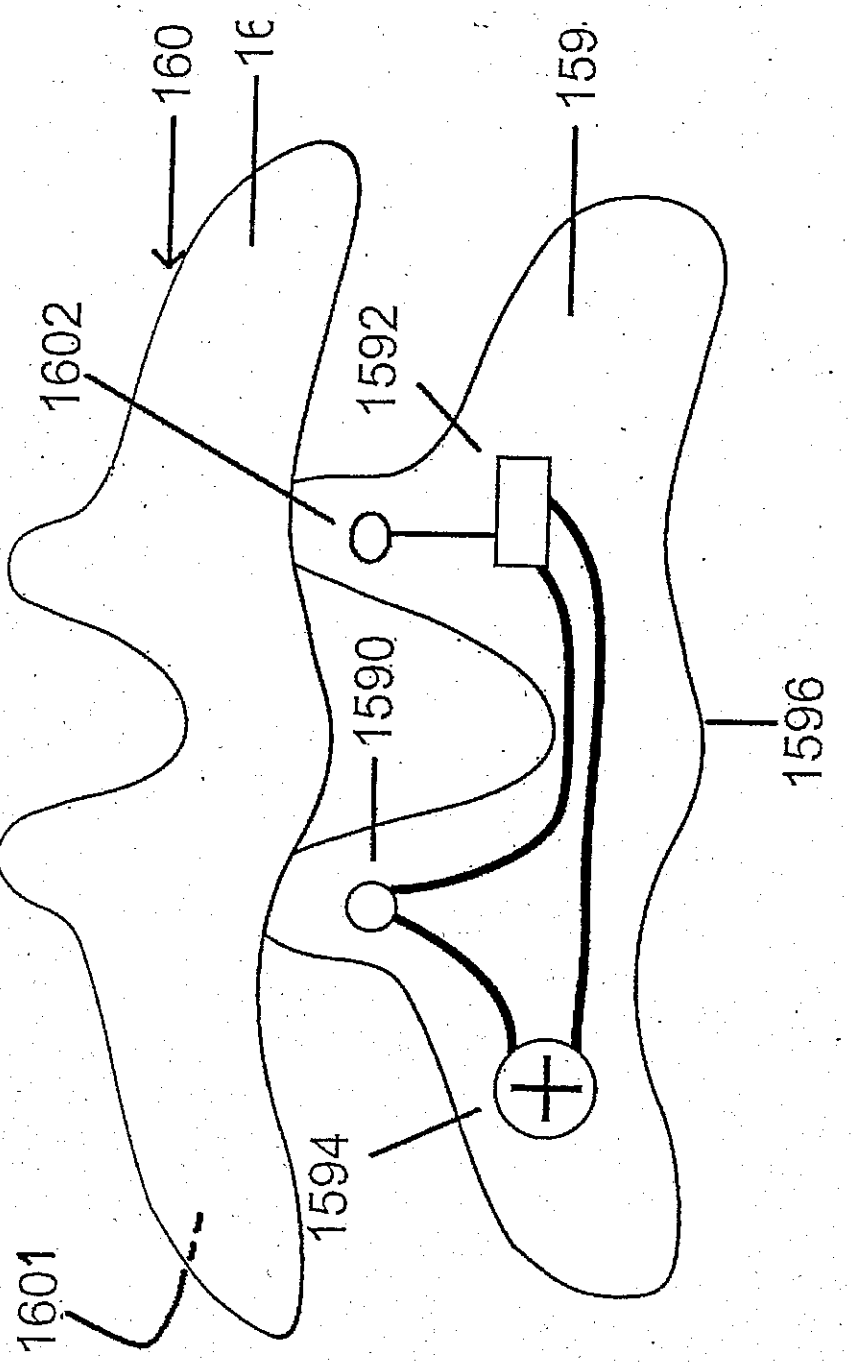


FIG 77B

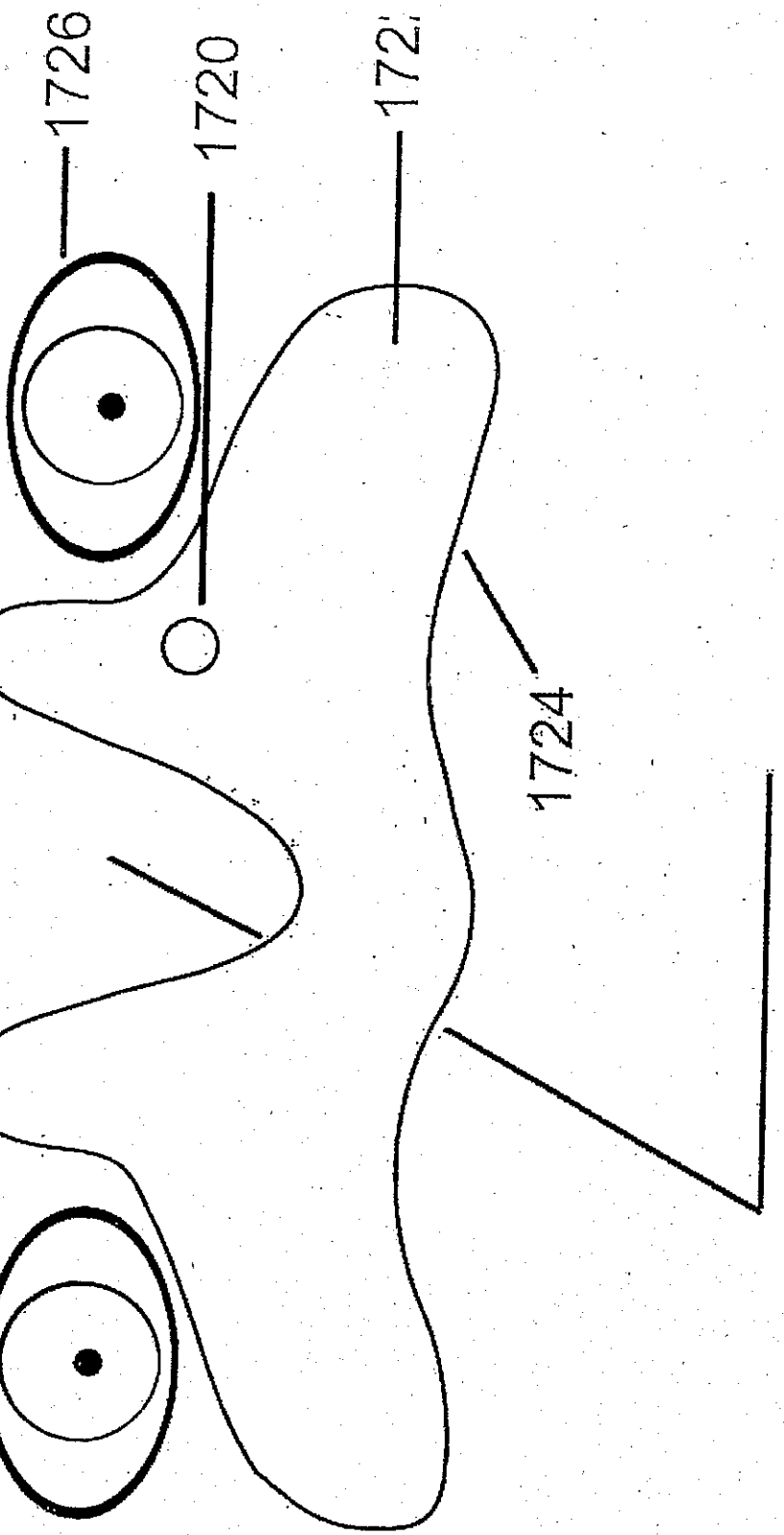


FIG. 77C

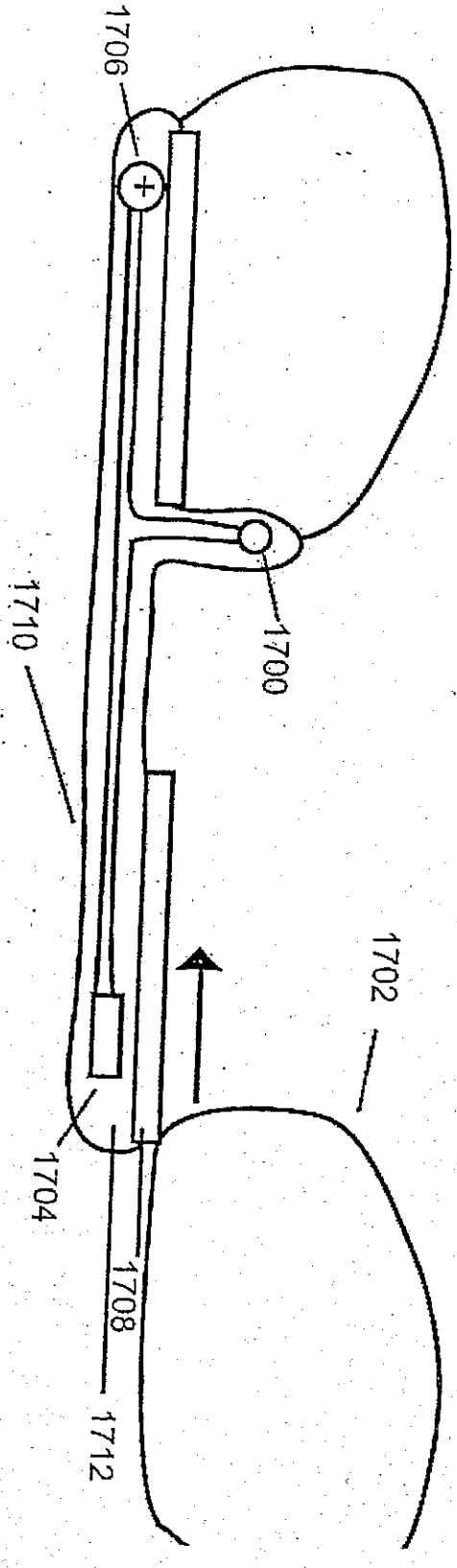


FIG. 78

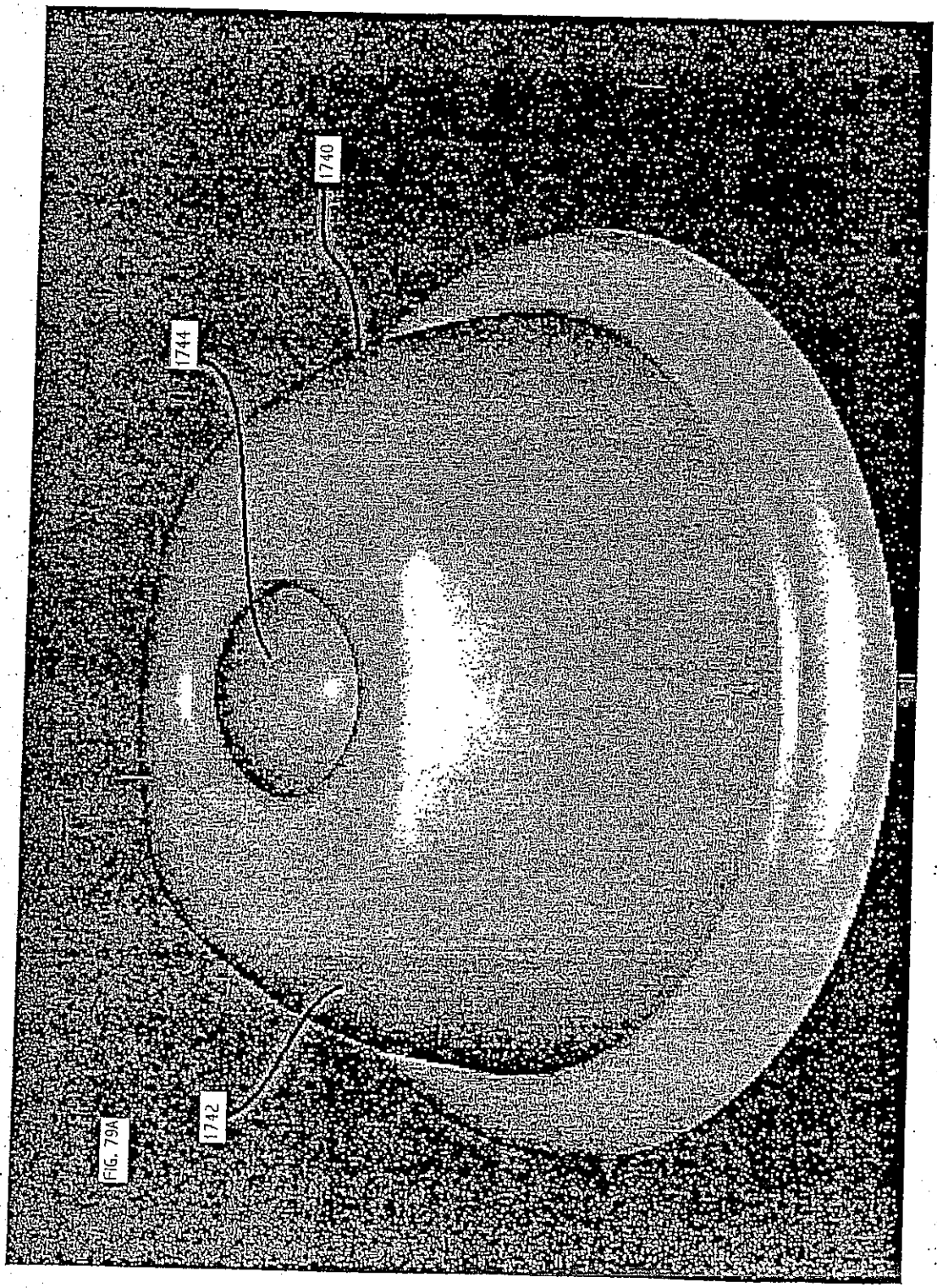


FIG. 79A

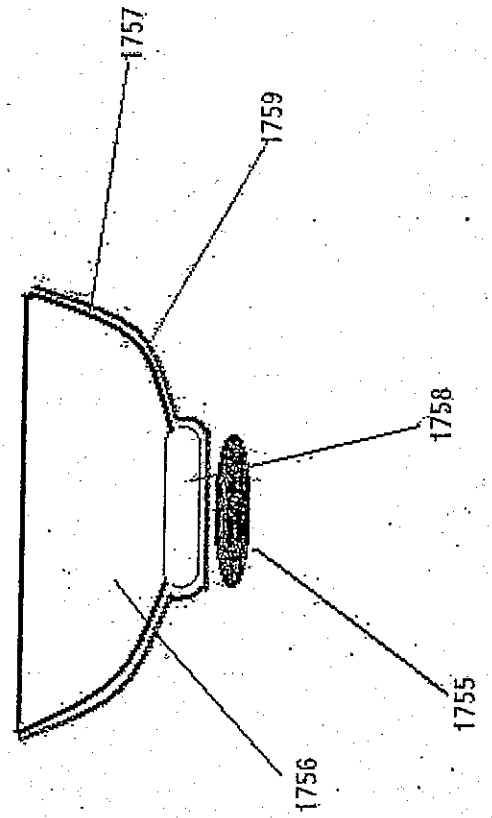
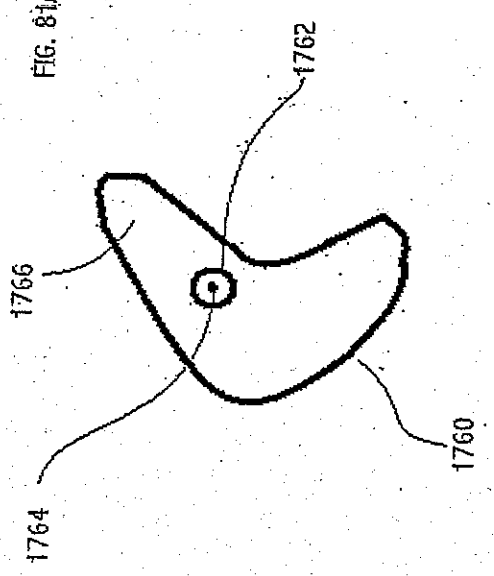


FIG. 80

FIG. 81A



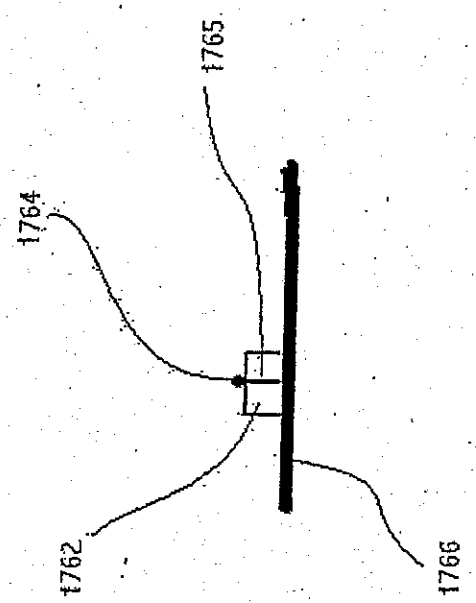


FIG. 81B

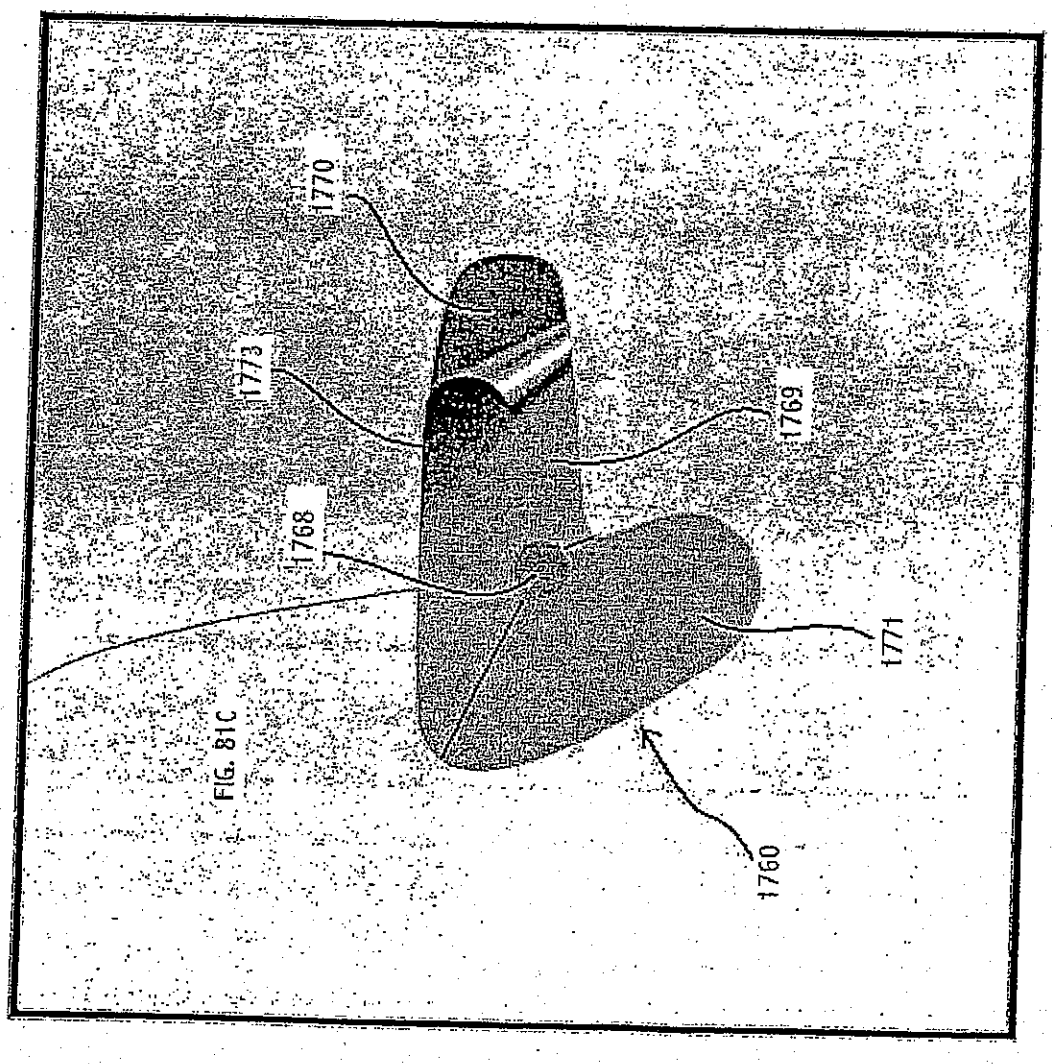


FIG. 81C

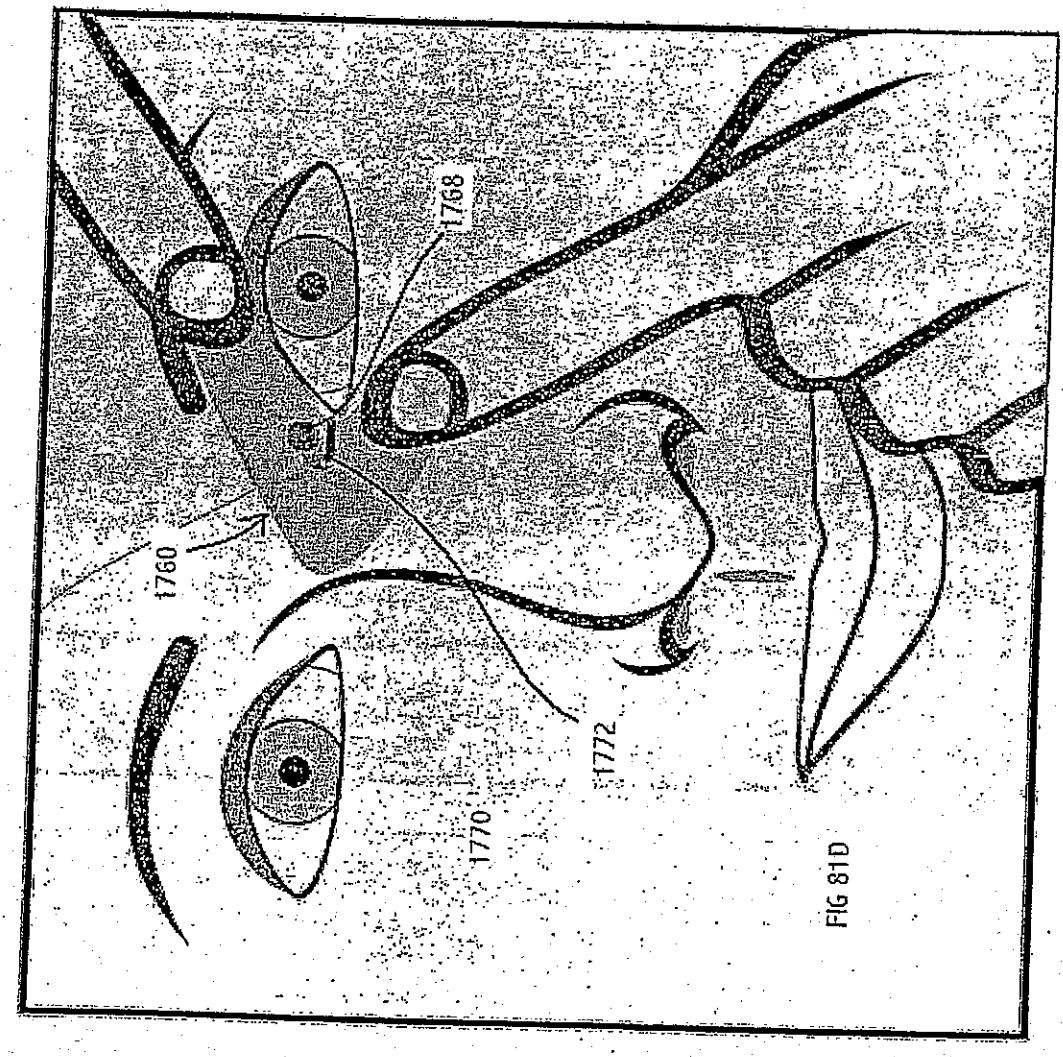


FIG 81D

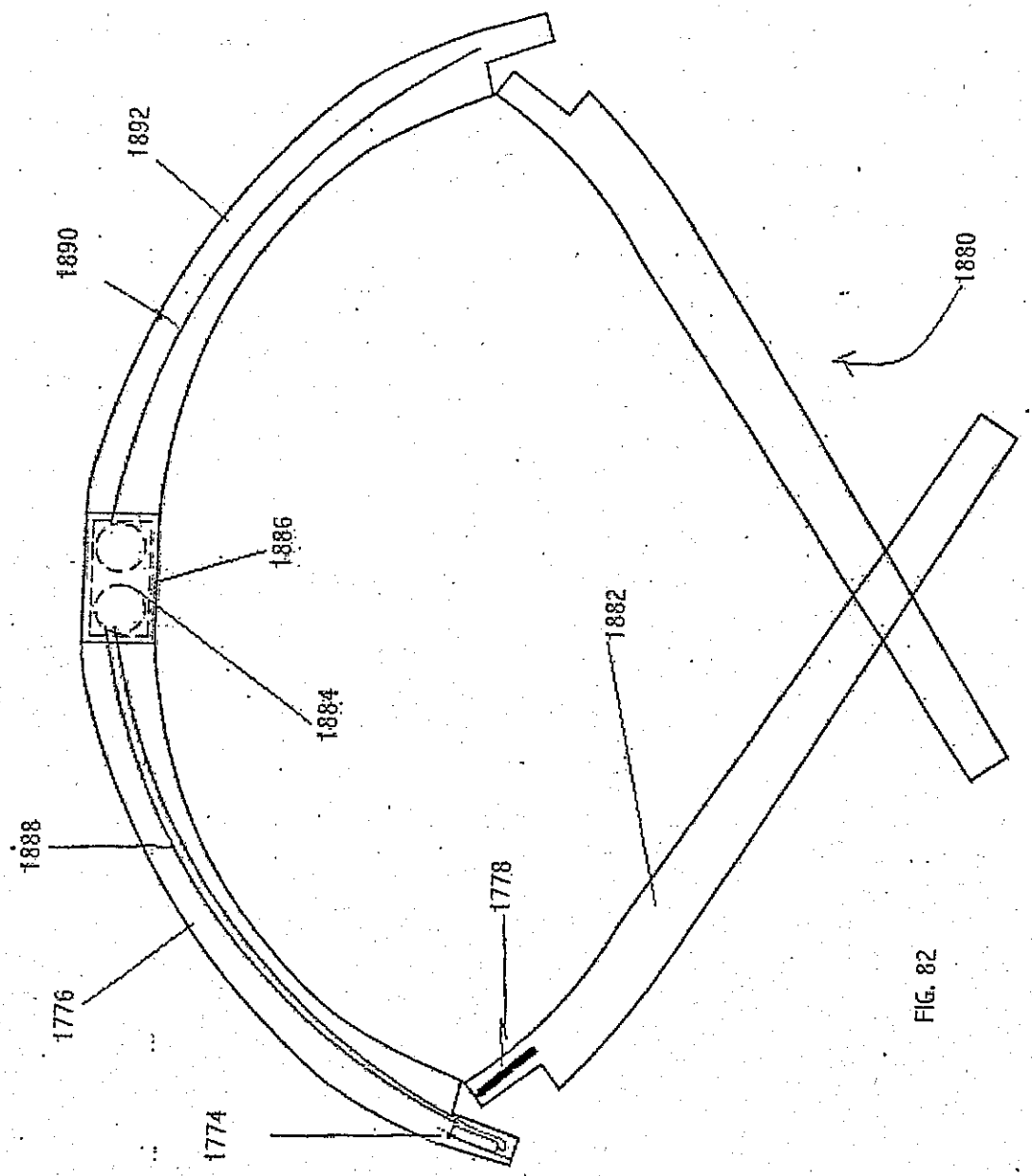


FIG. 82

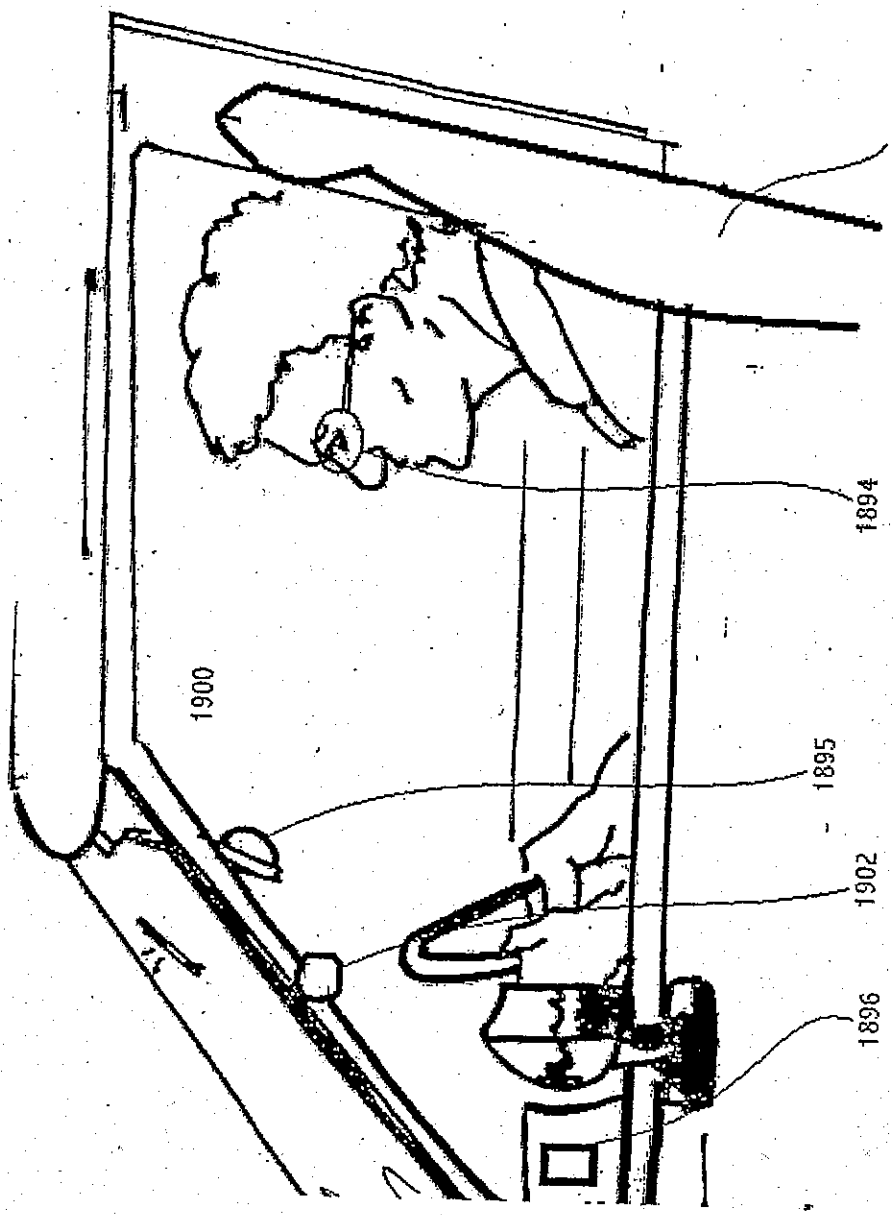


FIG. 83

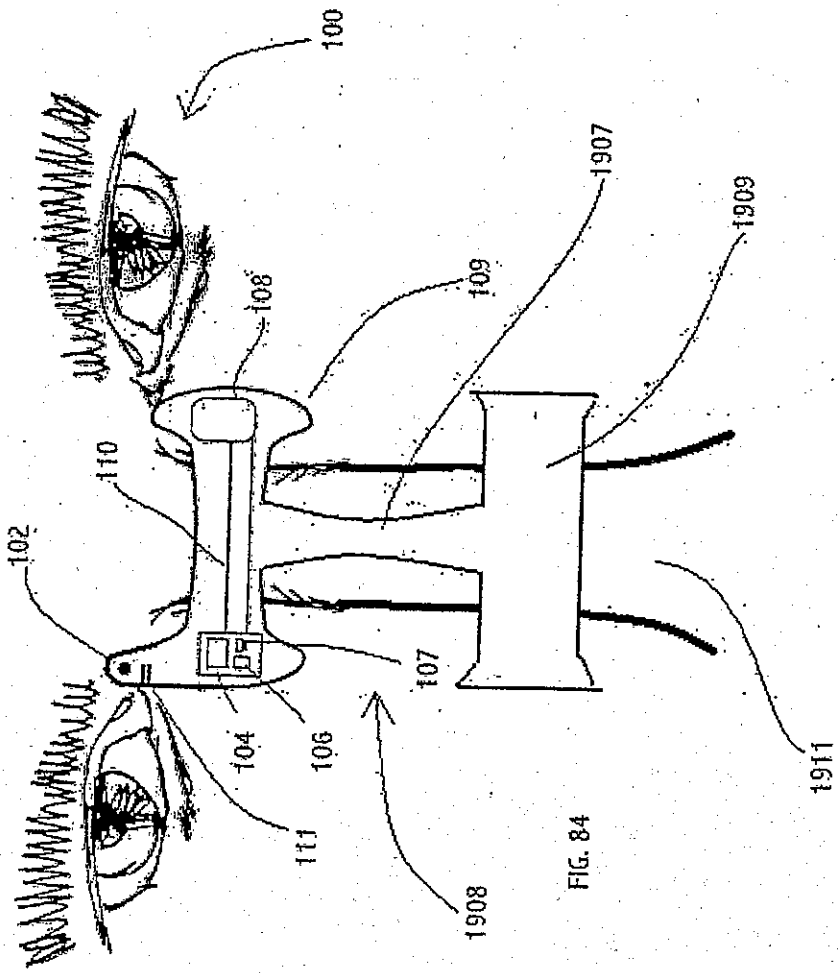


FIG. 84

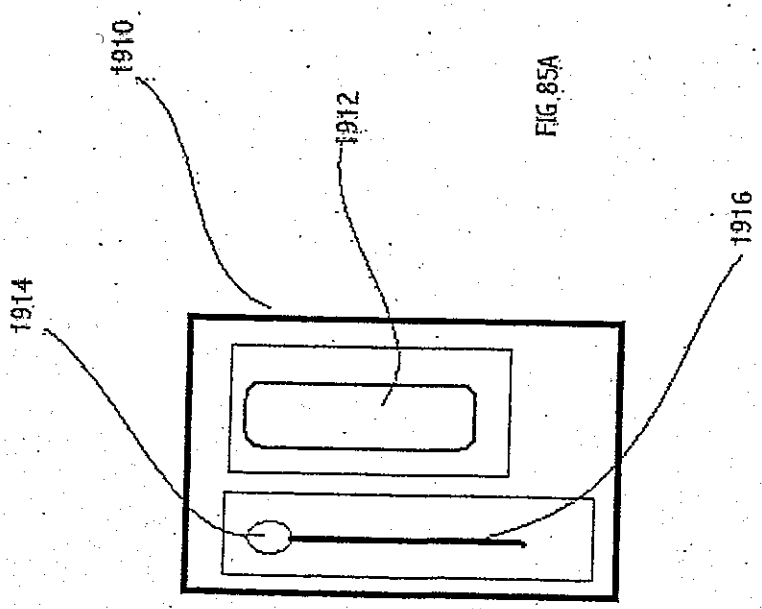


FIG. 85A

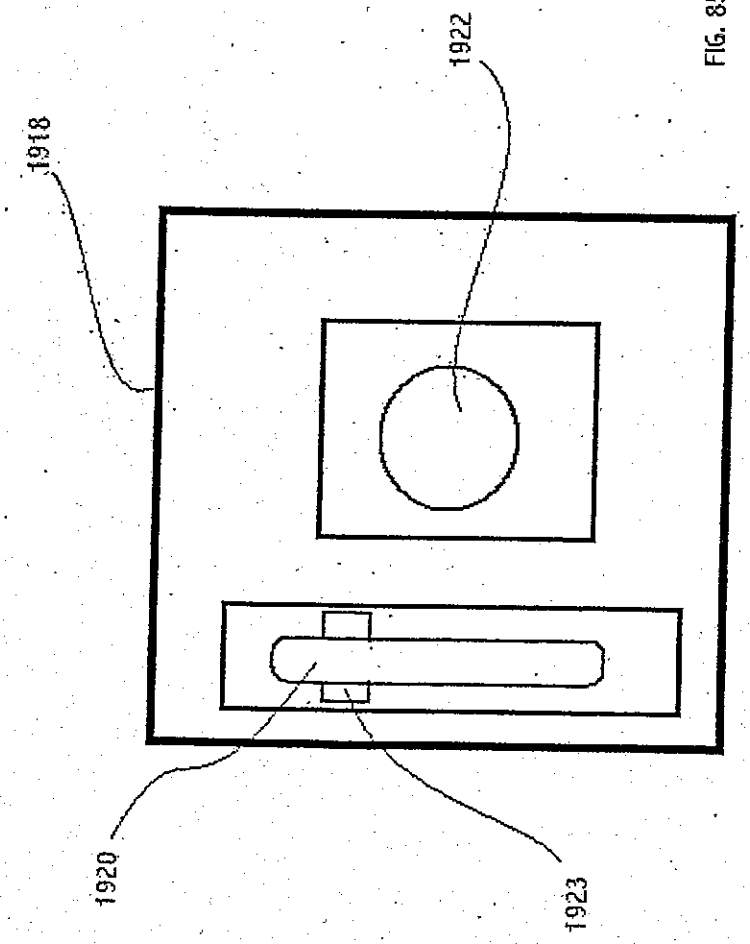


FIG. 85B

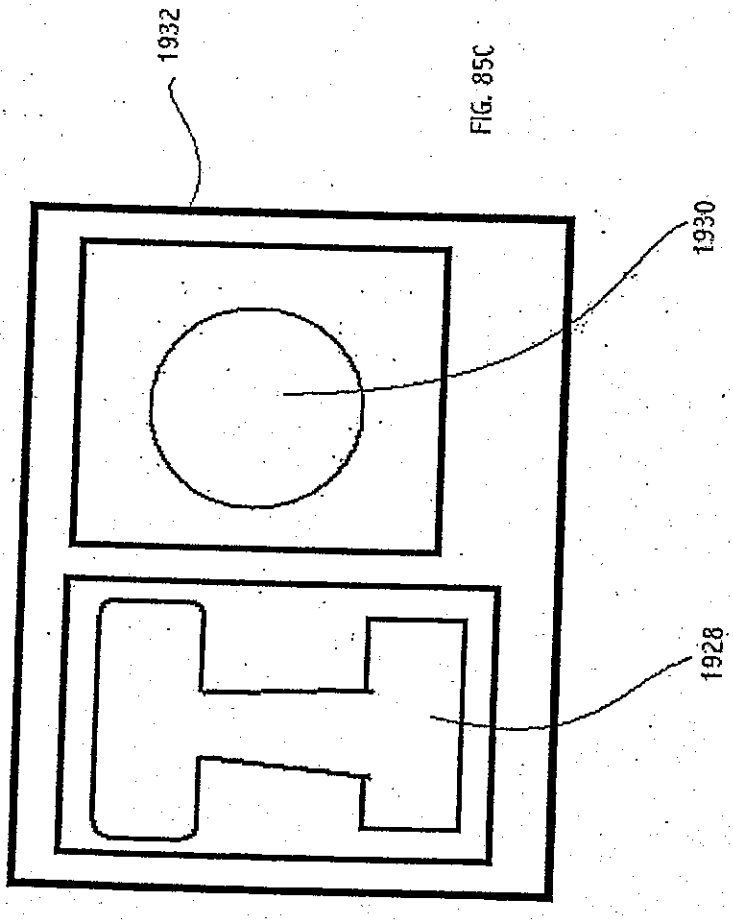


FIG. 85C