FIG. 1

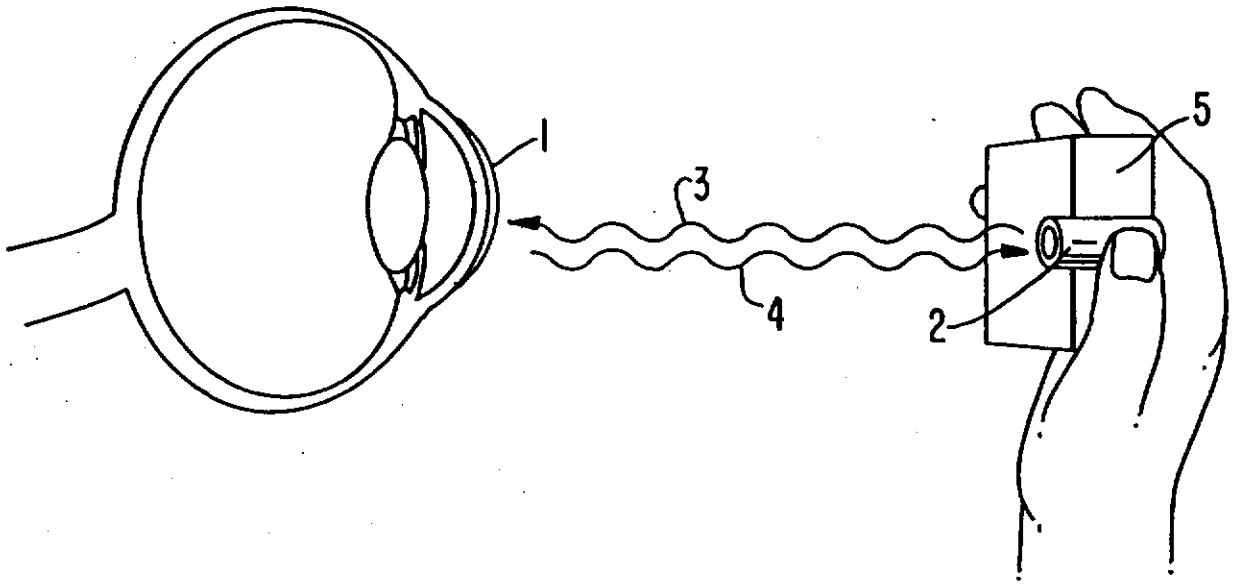


FIG. 3A

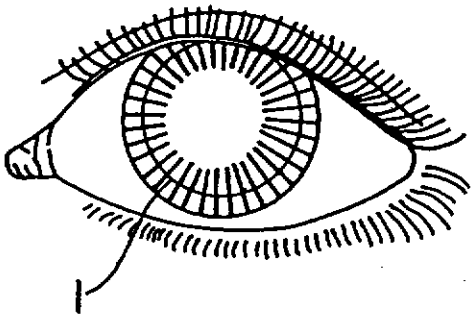


FIG. 3B

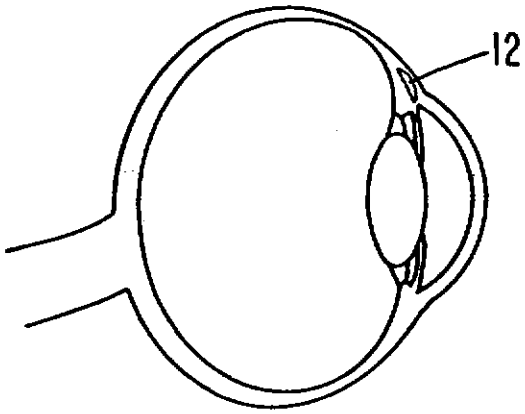


FIG. 3C

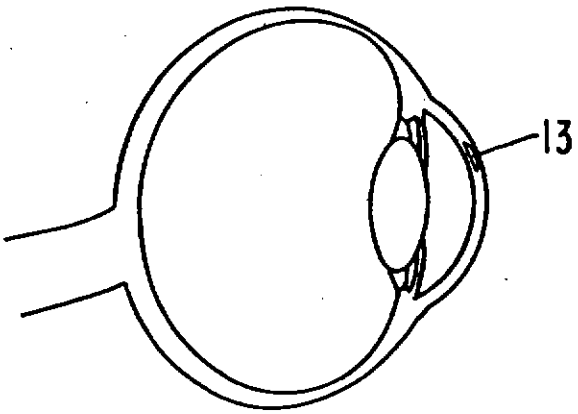


FIG. 2B

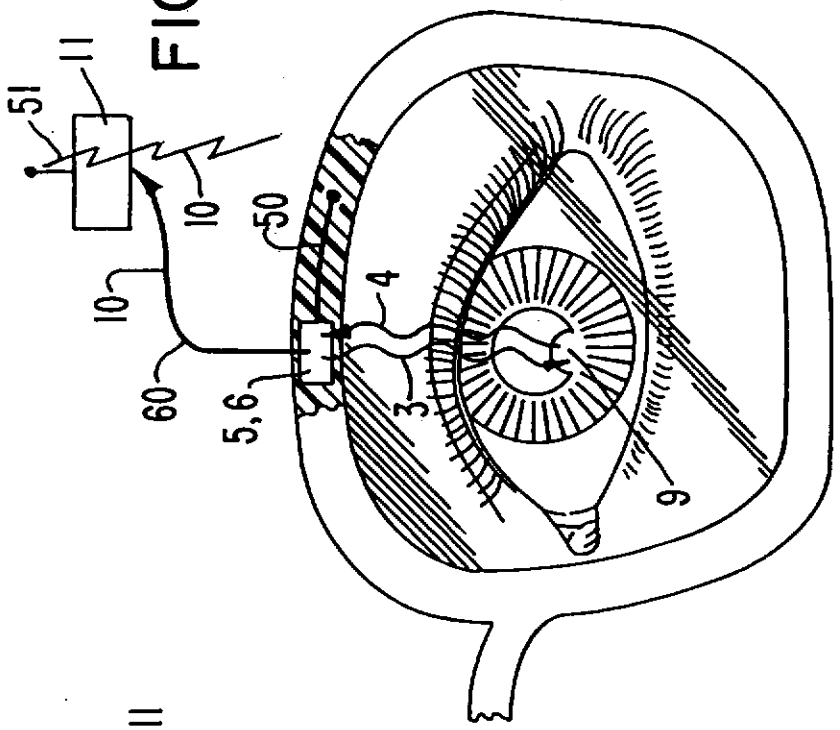
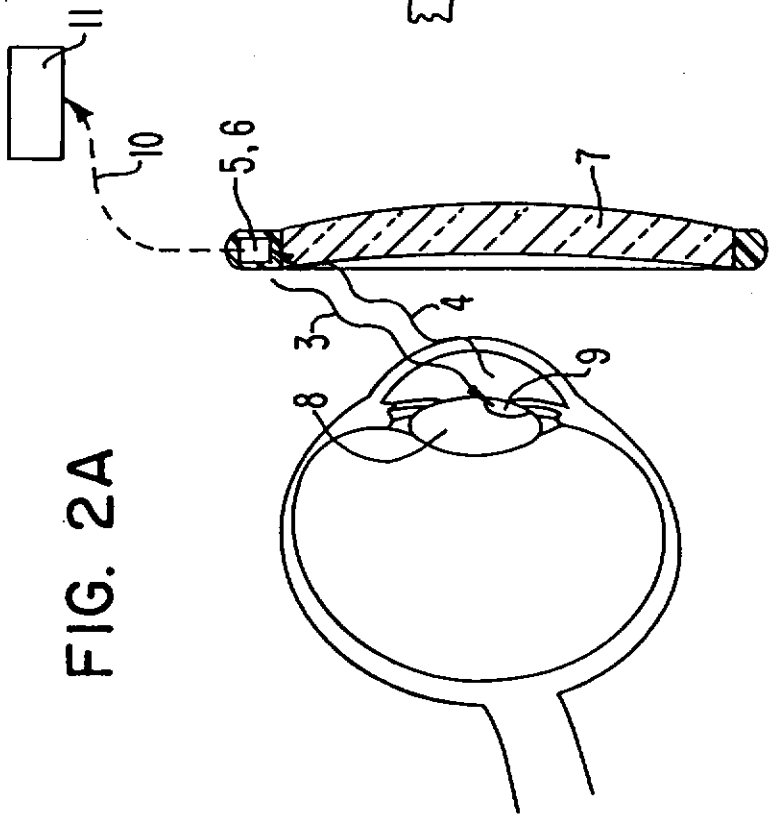


FIG. 2A



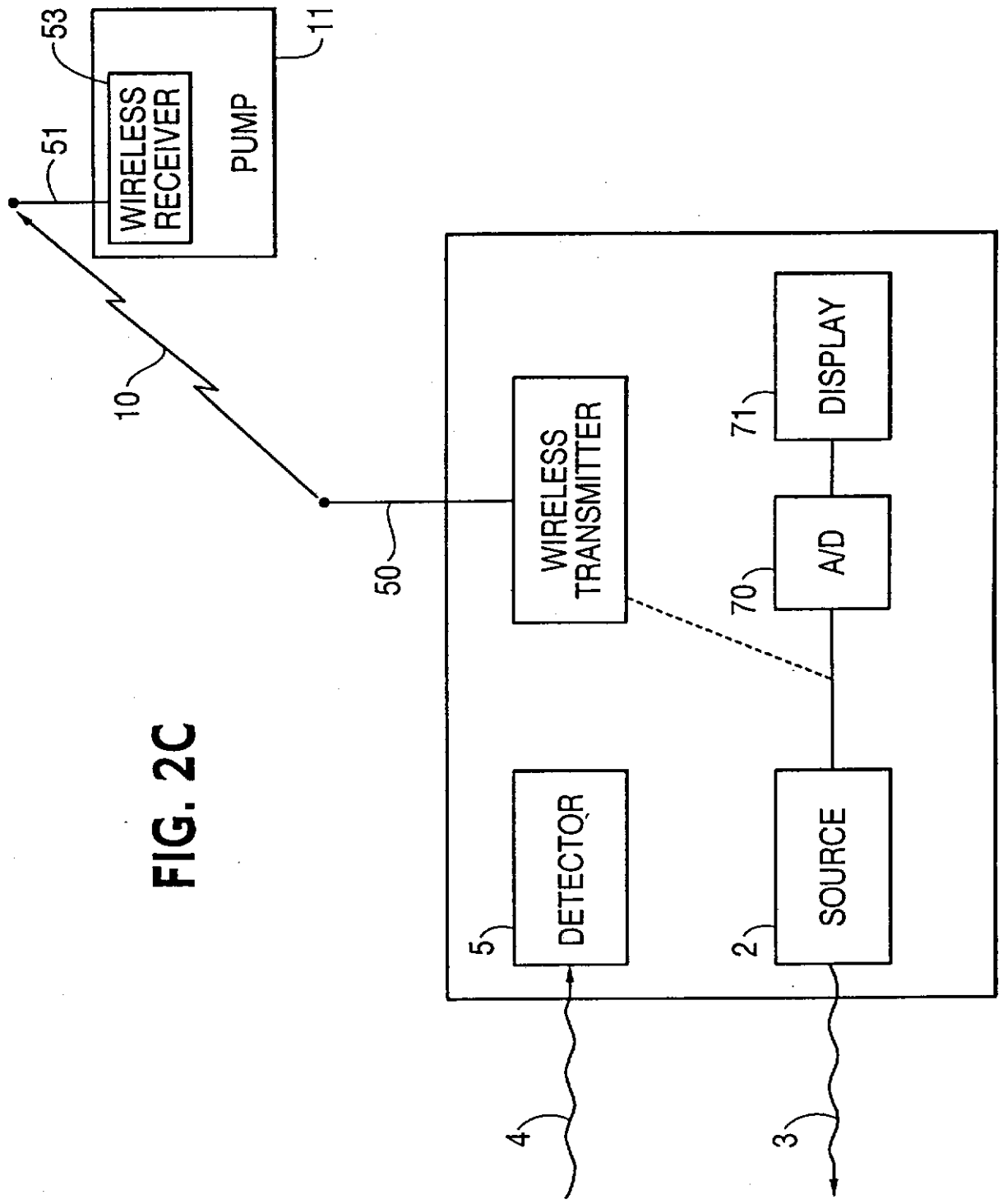
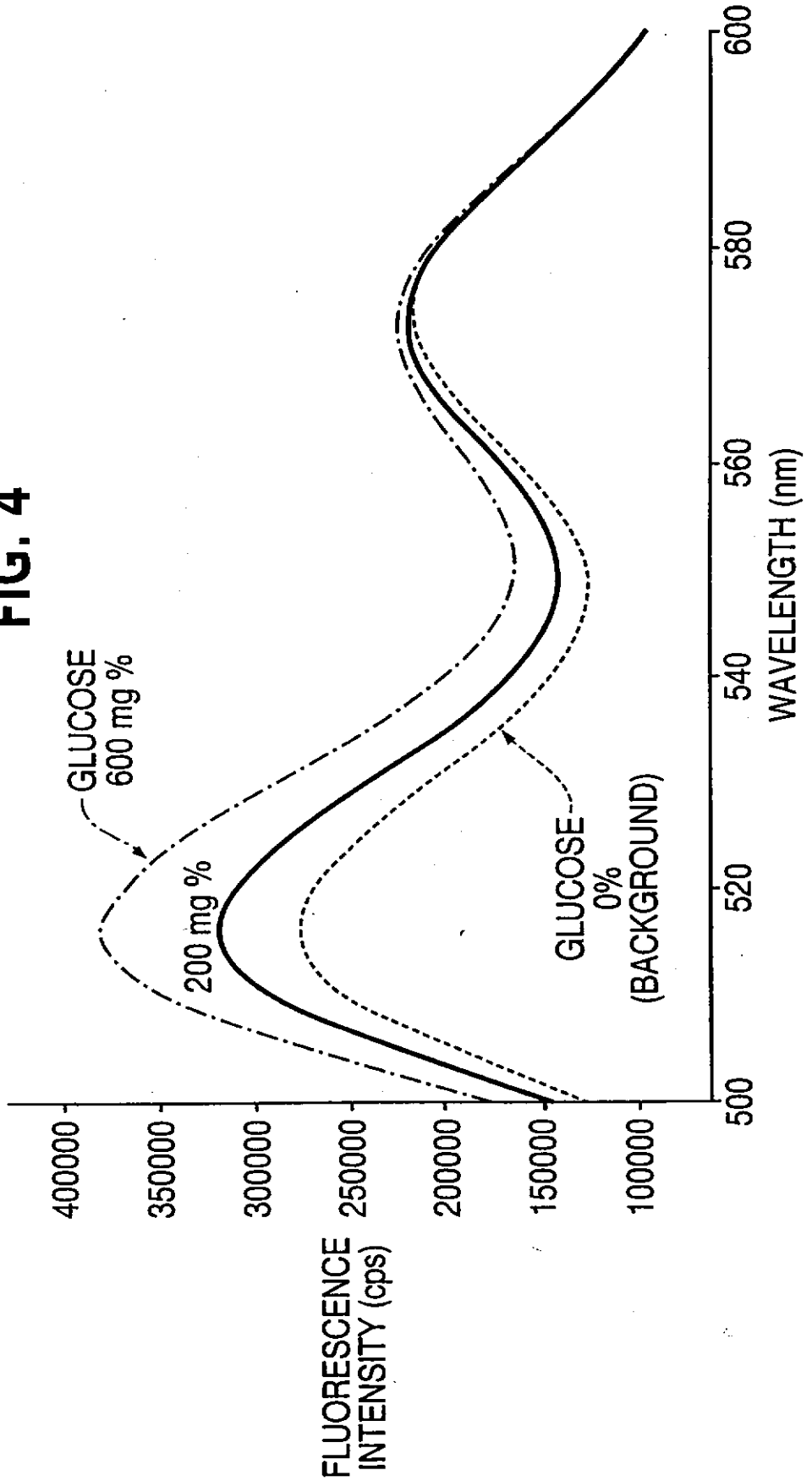

53
11
WIRELESS RECEIVER
PUMP
51
10
50
WIRELESS TRANSMITTER
71
DISPLAY
70
A/D
5
DETECTOR
2
SOURCE
4
3

FIG. 2C

FIG. 4


GLUCOSE
600 mg %
200 mg %
GLUCOSE
0%
(BACKGROUND)
FLUORESCENCE
INTENSITY (cps)
400000
350000
300000
250000
200000
150000
100000
500
520
540
560
580
600
WAVELENGTH (nm)