Fig. 1

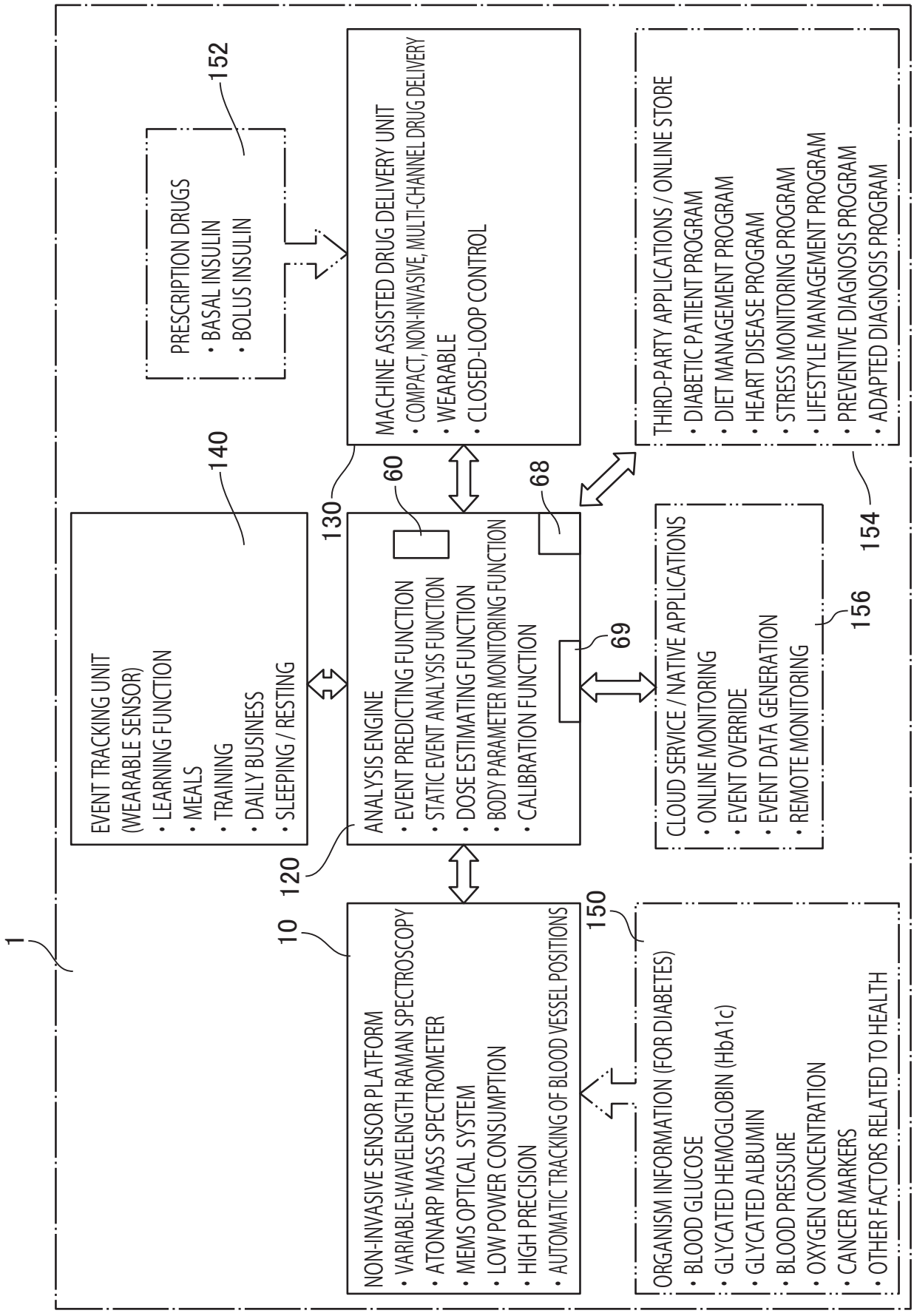

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NON-INVASIVE SENSOR PLATFORM
• VARIABLE-WAVELENGTH RAMAN SPECTROSCOPY
• ATONARP MASS SPECTROMETER
• MEMS OPTICAL SYSTEM
• LOW POWER CONSUMPTION
• HIGH PRECISION
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• STATIC EVENT ANALYSIS FUNCTION
• DOSE ESTIMATING FUNCTION
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• CALIBRATION FUNCTION
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• WEARABLE
• CLOSED-LOOP CONTROL
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• GLYCATED HEMOGLOBIN (HbA1c)
• GLYCATED ALBUMIN
• BLOOD PRESSURE
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• CANCER MARKERS
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• HEART DISEASE PROGRAM
• STRESS MONITORING PROGRAM
• LIFESTYLE MANAGEMENT PROGRAM
• PREVENTIVE DIAGNOSIS PROGRAM
• ADAPTED DIAGNOSIS PROGRAM

Fig. 2

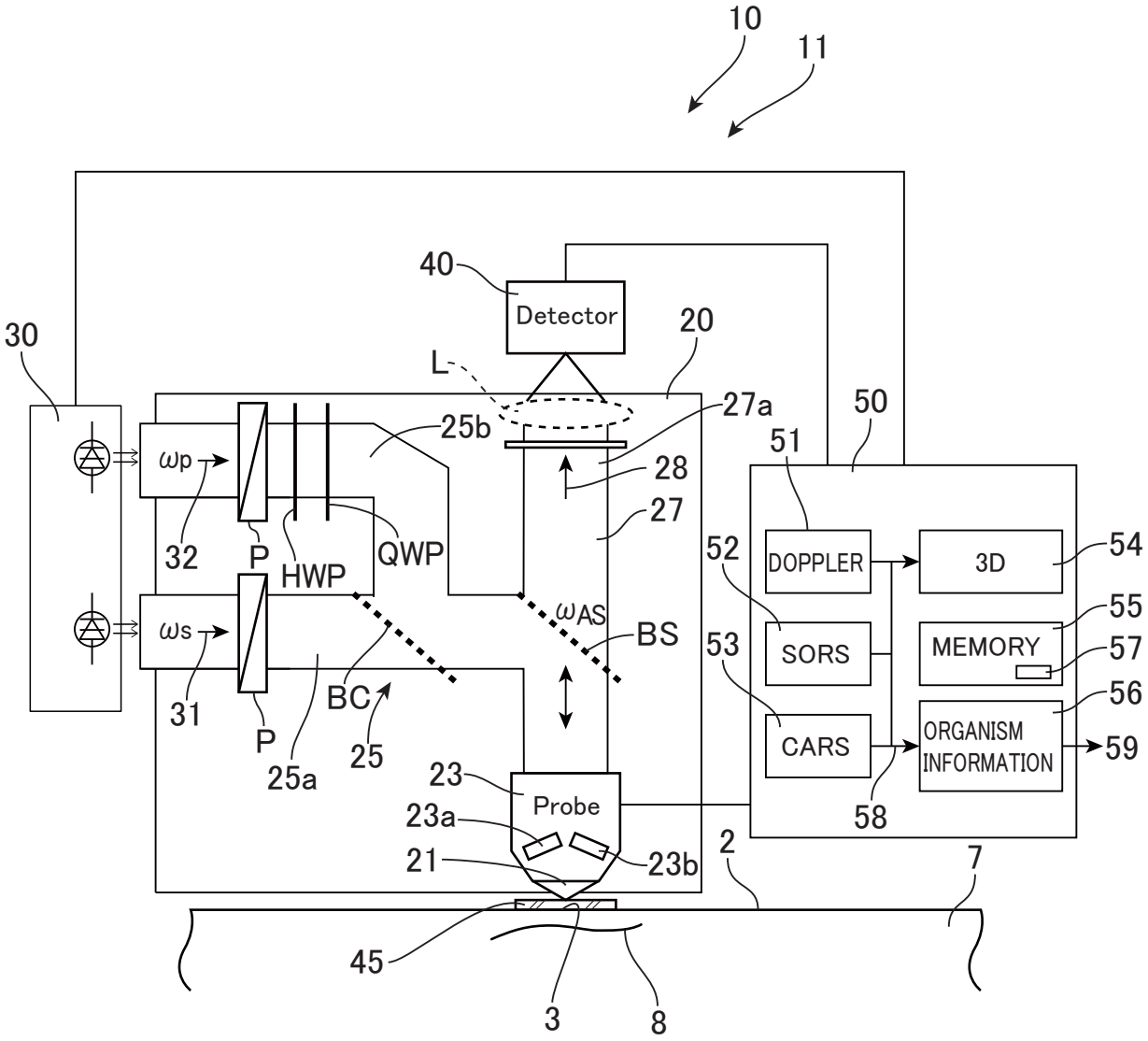

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11
40
Detector
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L
27a
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HWP
QWP
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Fig. 3

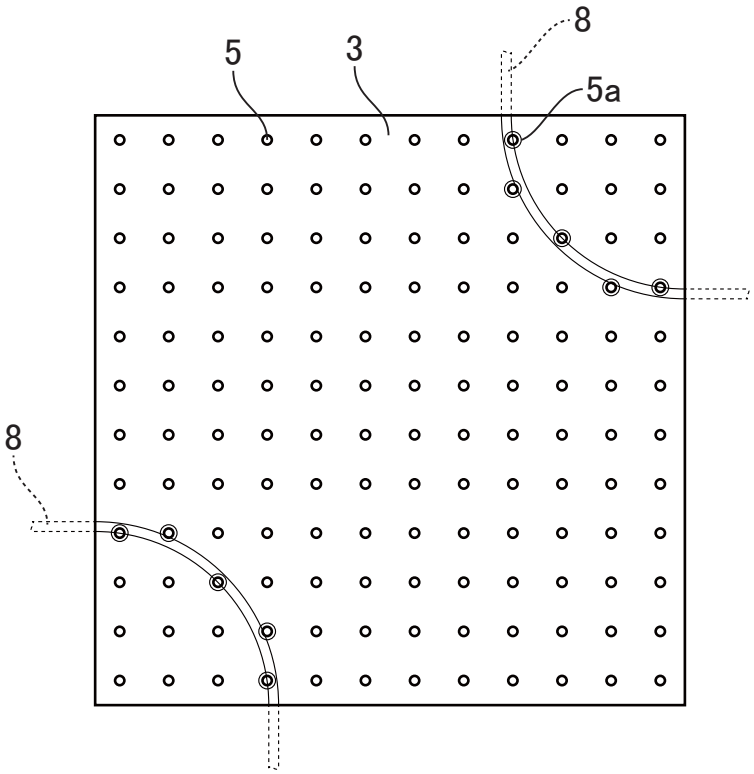


Fig. 4

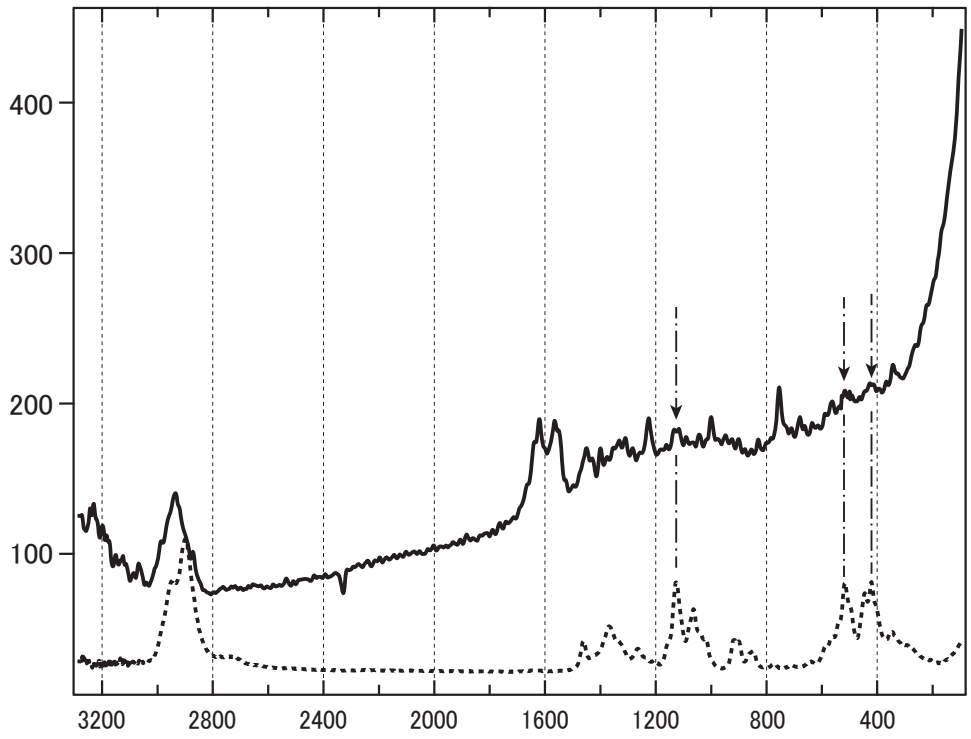


Fig. 5

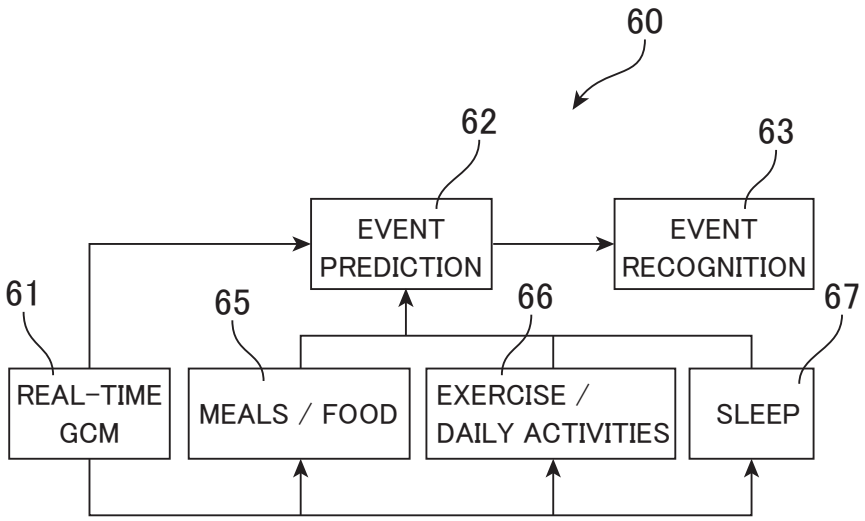

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REAL-TIME GCM
MEALS / FOOD
EXERCISE / DAILY ACTIVITIES
SLEEP

Fig. 6

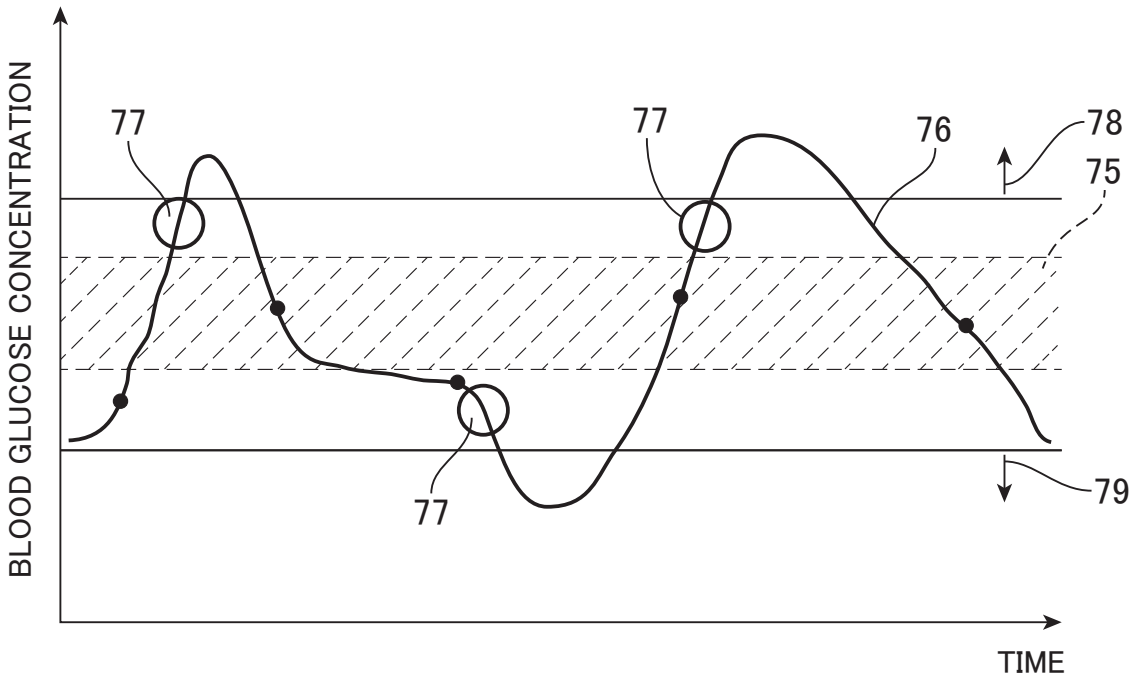
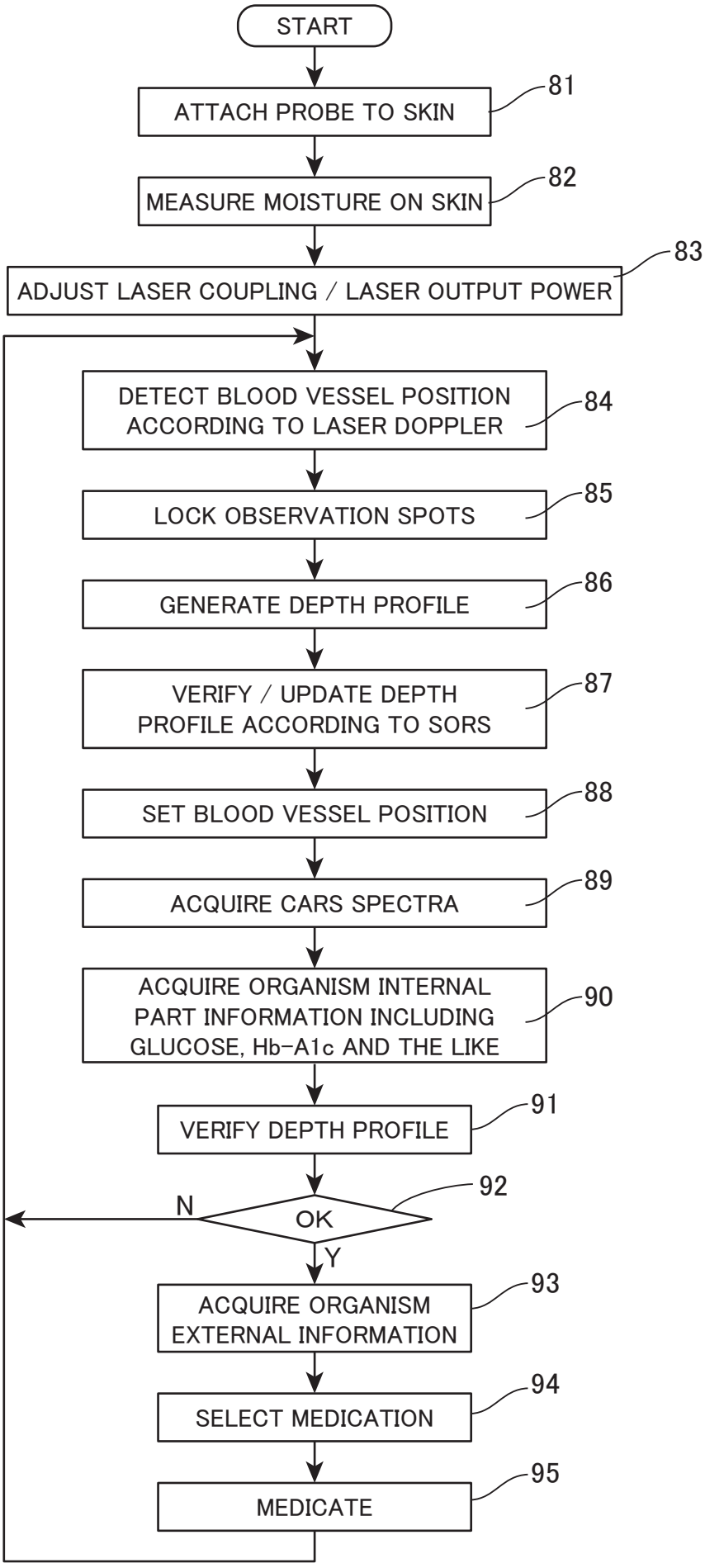


Fig. 7


START
ATTACH PROBE TO SKIN
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MEASURE MOISTURE ON SKIN
82
ADJUST LASER COUPLING / LASER OUTPUT POWER
83
DETECT BLOOD VESSEL POSITION ACCORDING TO LASER DOPPLER
84
LOCK OBSERVATION SPOTS
85
GENERATE DEPTH PROFILE
86
VERIFY / UPDATE DEPTH PROFILE ACCORDING TO SORS
87
SET BLOOD VESSEL POSITION
88
ACQUIRE CARS SPECTRA
89
ACQUIRE ORGANISM INTERNAL PART INFORMATION INCLUDING GLUCOSE, Hb-A1c AND THE LIKE
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VERIFY DEPTH PROFILE
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N
Y
ACQUIRE ORGANISM EXTERNAL INFORMATION
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SELECT MEDICATION
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MEDICATE
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