

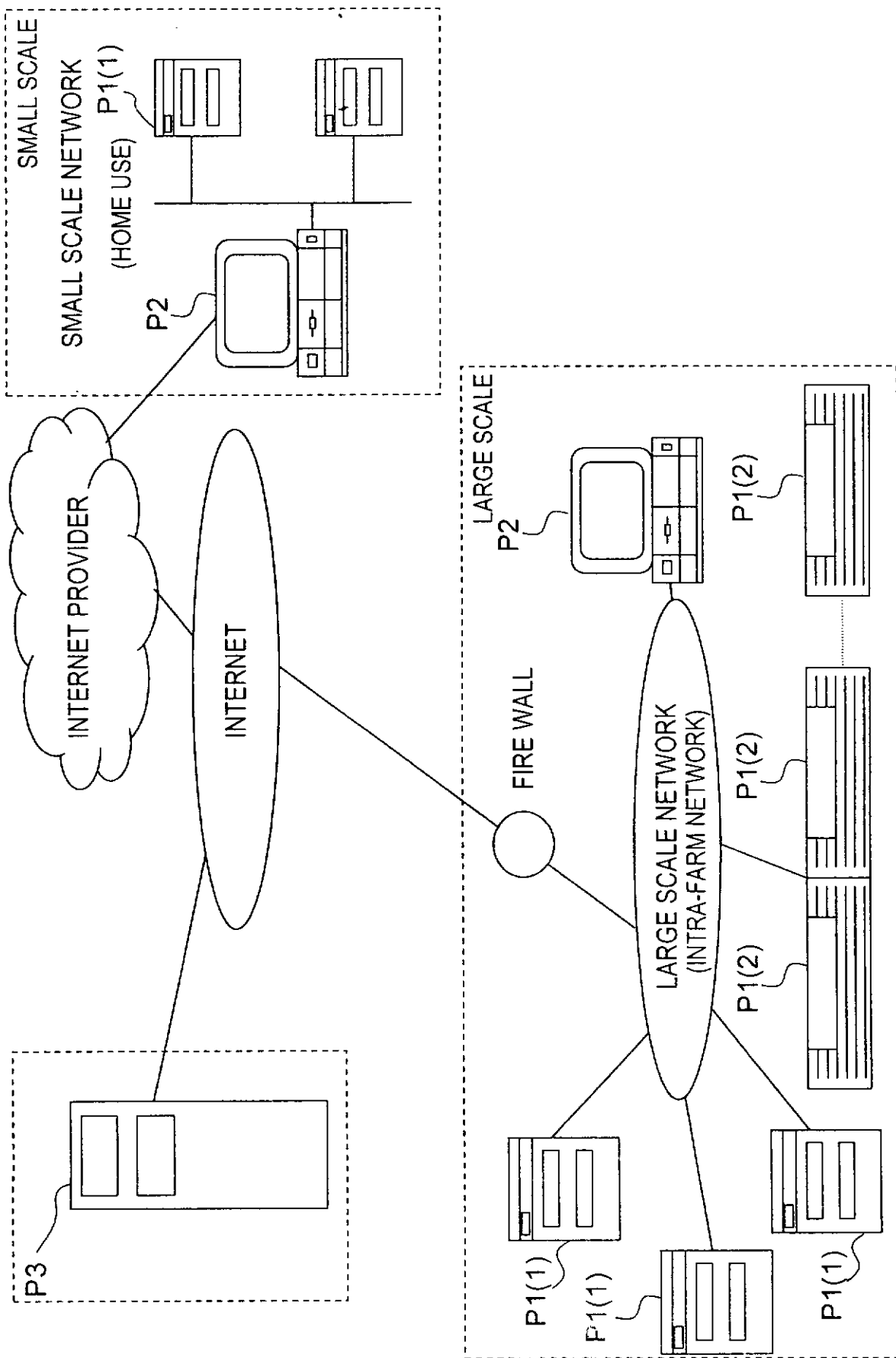


FIG.1

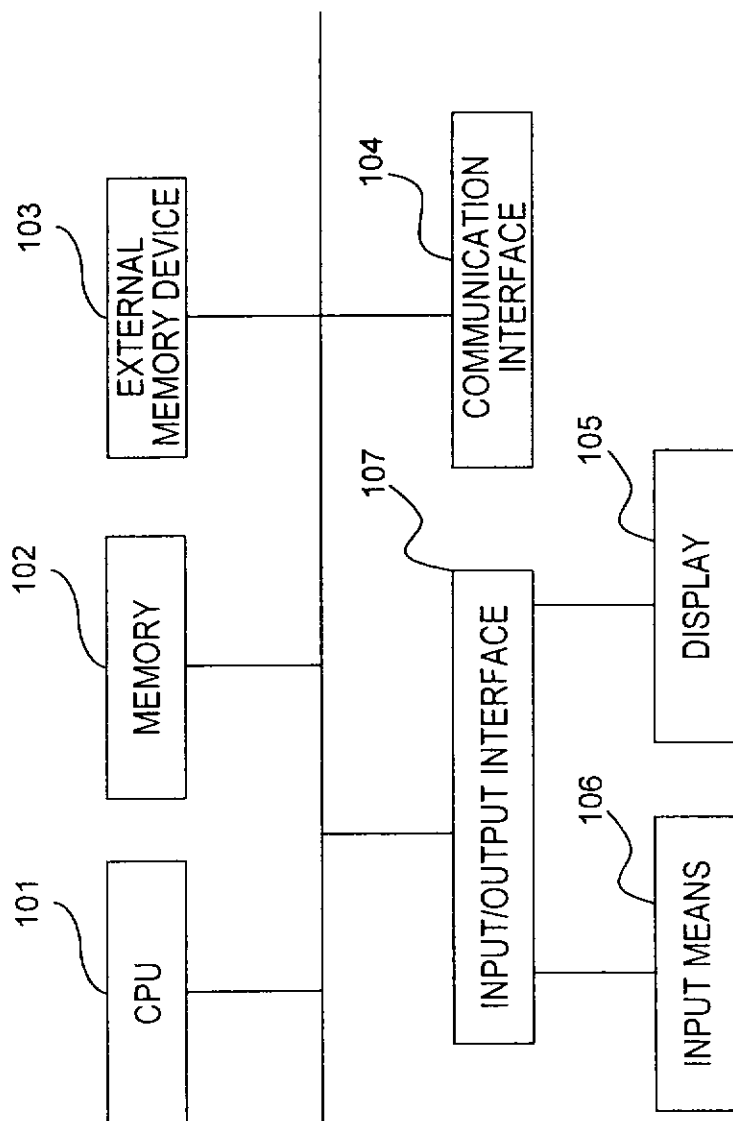


FIG.2

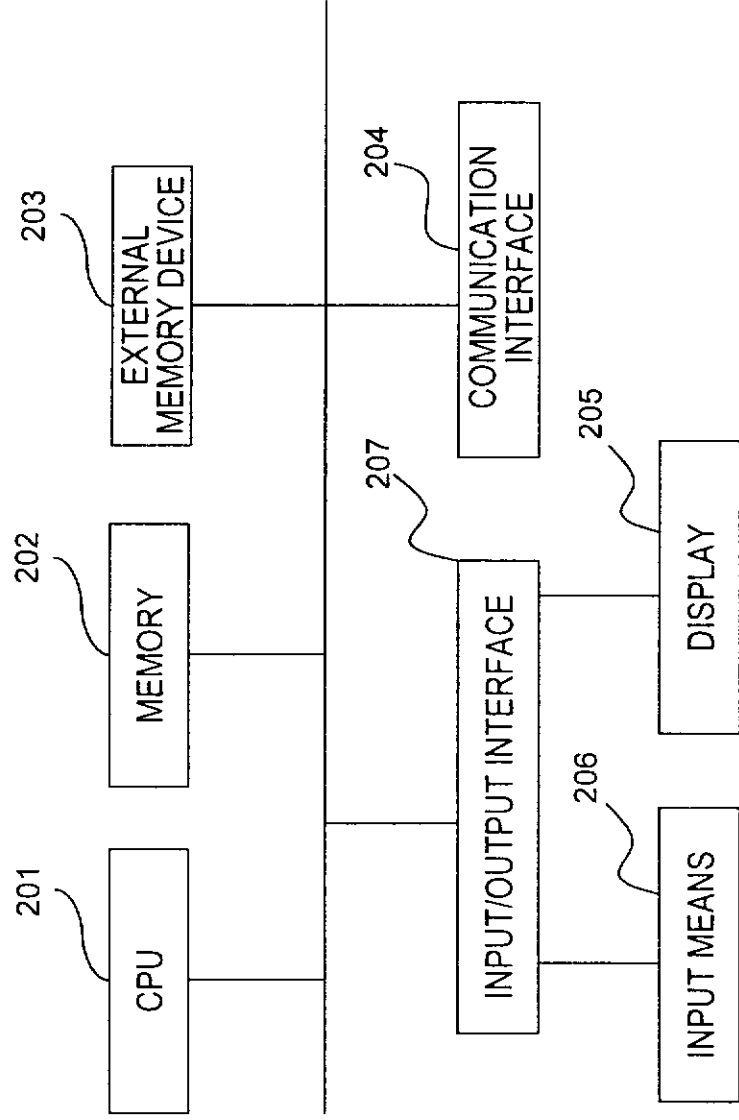


FIG.3

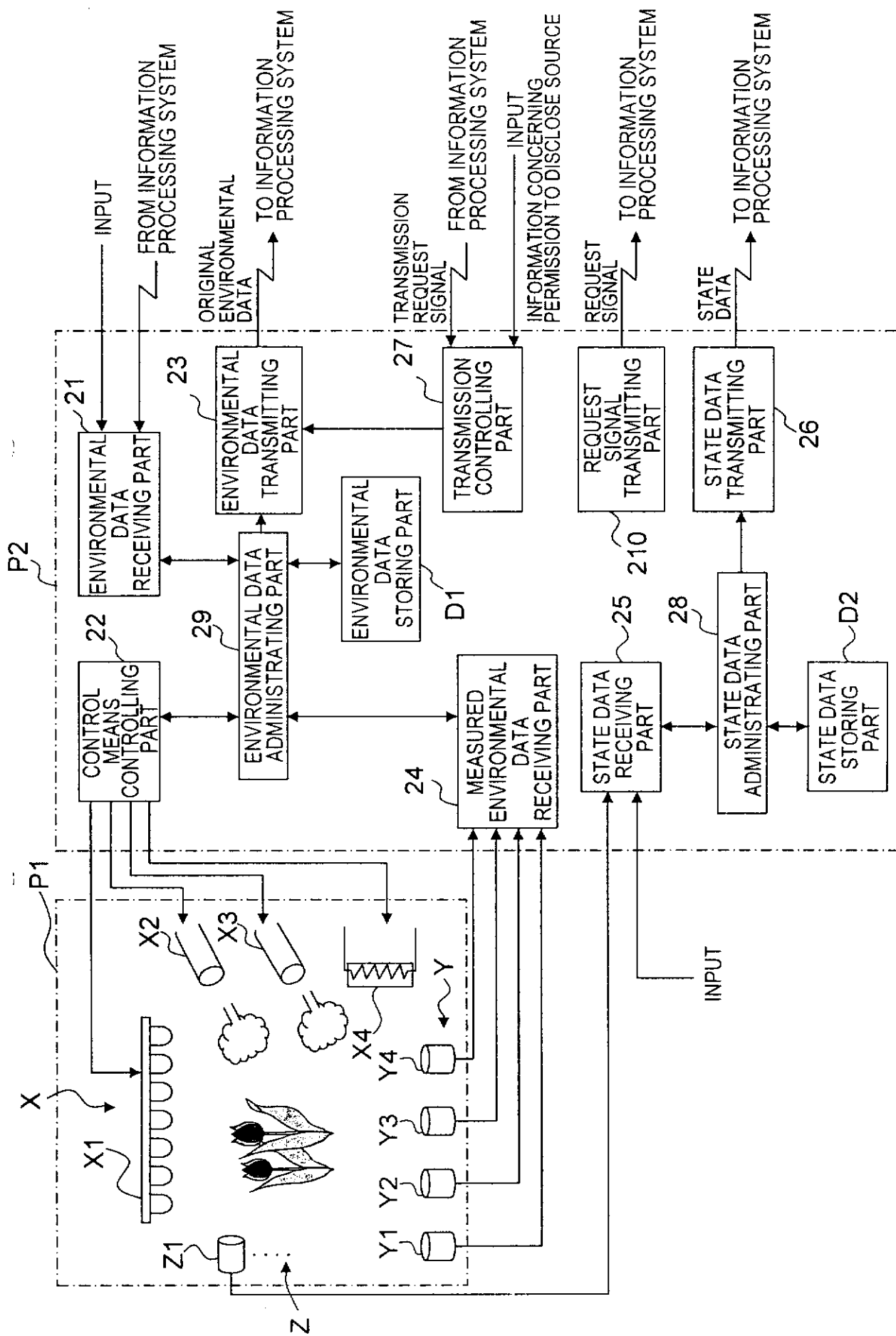


FIG.4

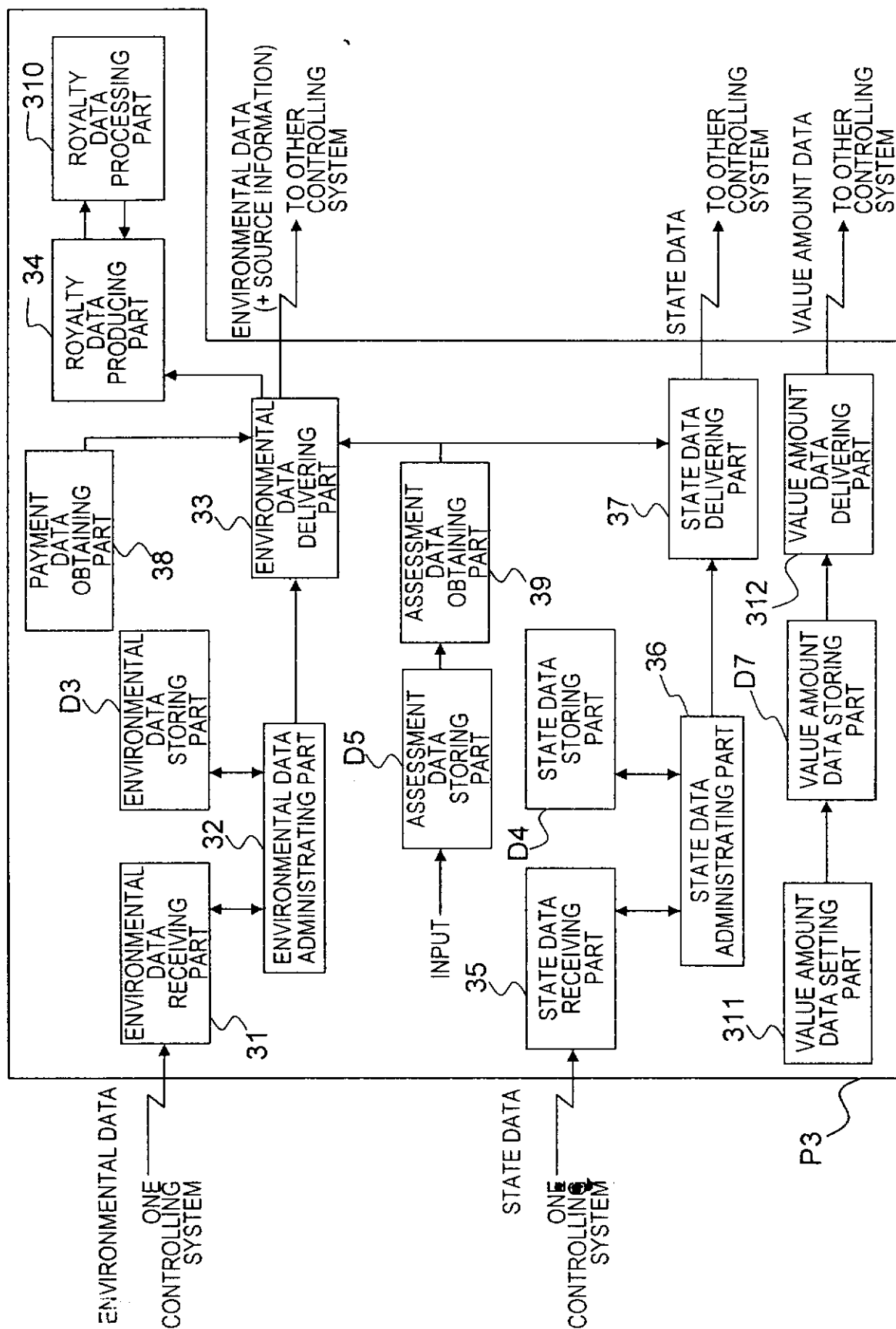


FIG.5

ENVIRONMENTAL DATA NAME	CONTROLLING SYSTEM IDENTIFIER	PLANT IDENTIFIER	INFORMATION CONCERNING PERMISSION TO DISCLOSE SOURCE
e1234.xxx	p658219	15p39 (STRAWBERRY)	1 (CAN BE DISCLOSED)
e5981.xxx	y286536	27a68 (TULIP)	1 (CAN BE DISCLOSED)

LINK WITH
ENVIRONMENTAL
DATA

FIG.6

LINK WITH ENVIRONMENTAL DATA

STATE DATA NAME	CONTROLLING SYSTEM IDENTIFIER	PLANT IDENTIFIER	ENVIRONMENTAL DATA NAME
s1234.yyy	p658219	15p39 (STRAWBERRY)	e1234.xxx
s5981.yyy	y286536	27a68 (TULIP)	e5981.xxx

FIG.7

LINK WITH ENVIRONMENTAL DATA	ASSESSMENT DATA NAME	UNIQUENESS	EFFECTIVENESS	ENVIRONMENTAL DATA NAME
	t1234.zzz	1 (WITH)	1 (WITH)	e1234.xxx
	t5981.zzz	1 (WITH)	0 (NO)	e5981.xxx

FIG.8

LINK WITH ENVIRONMENTAL DATA	FUNDAMENTAL ENVIRONMENTAL DATA NAME	PLANT IDENTIFIER
	abcd.xxx	15p39 (TULIP)
	pqrs.xxx	27a68 (STRAWBERRY)

FIG.9

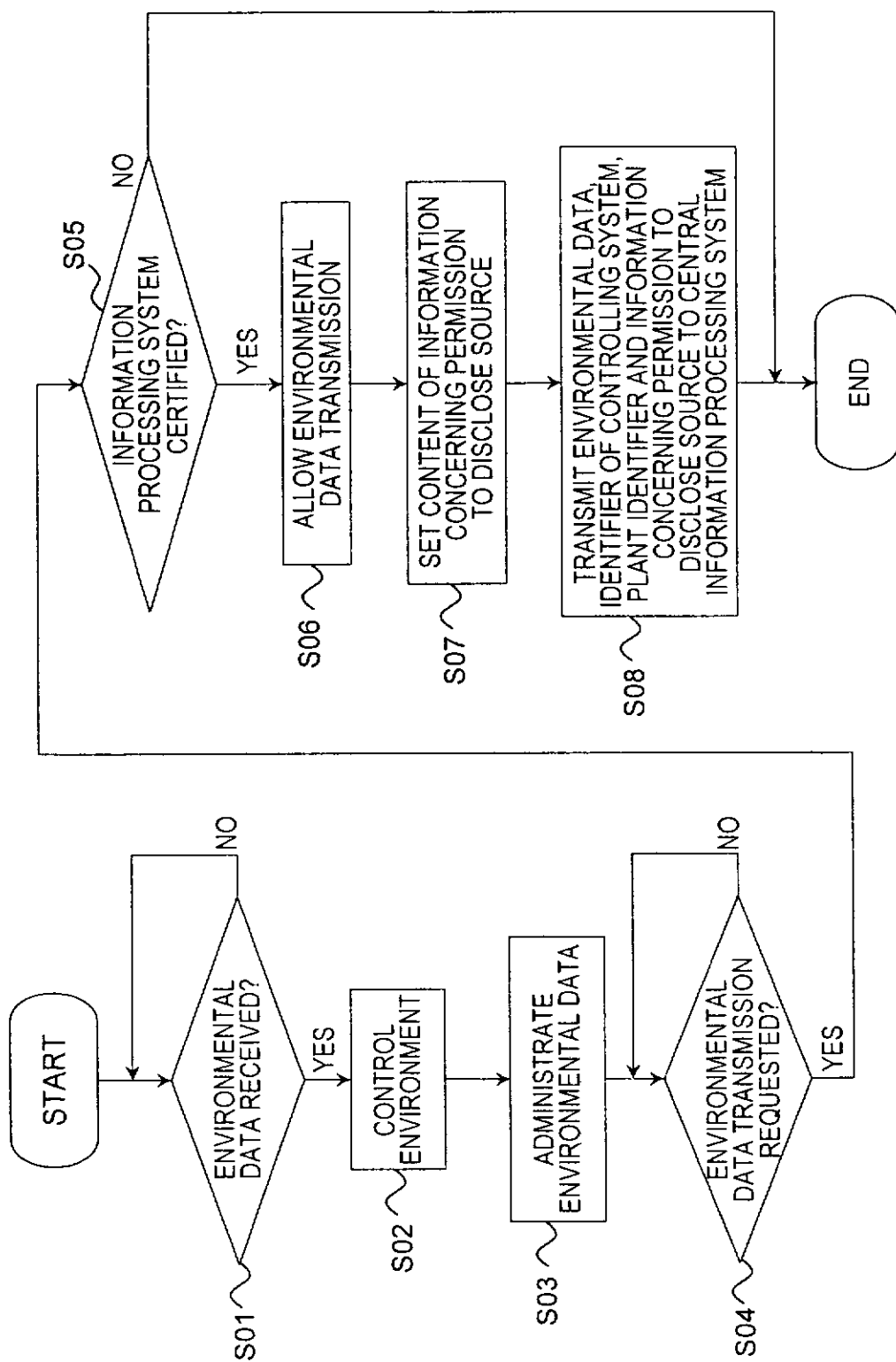


FIG.10

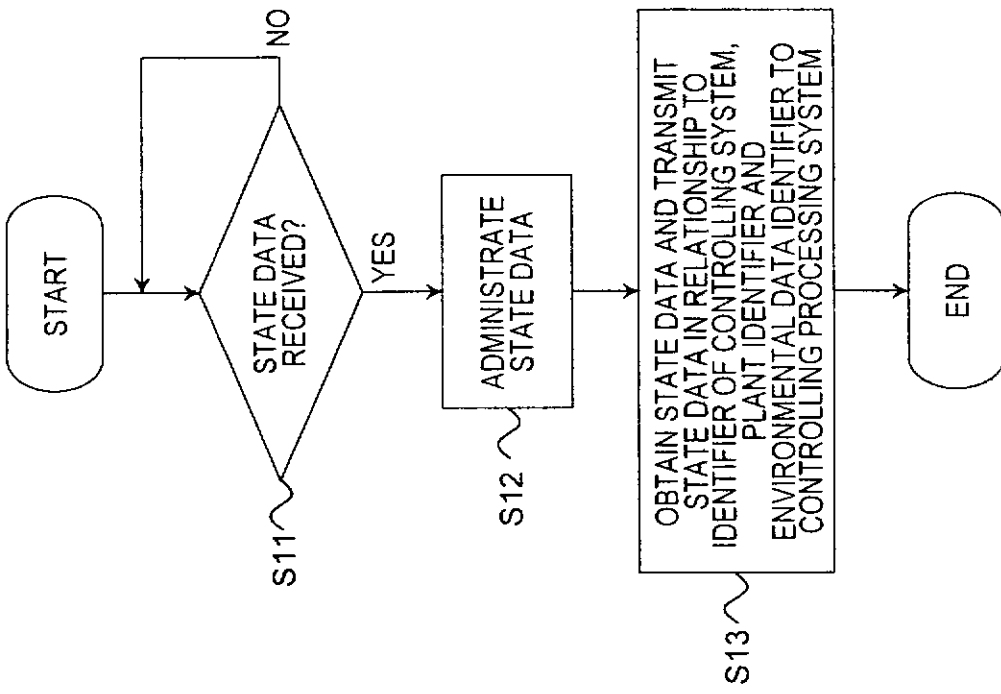


FIG.11

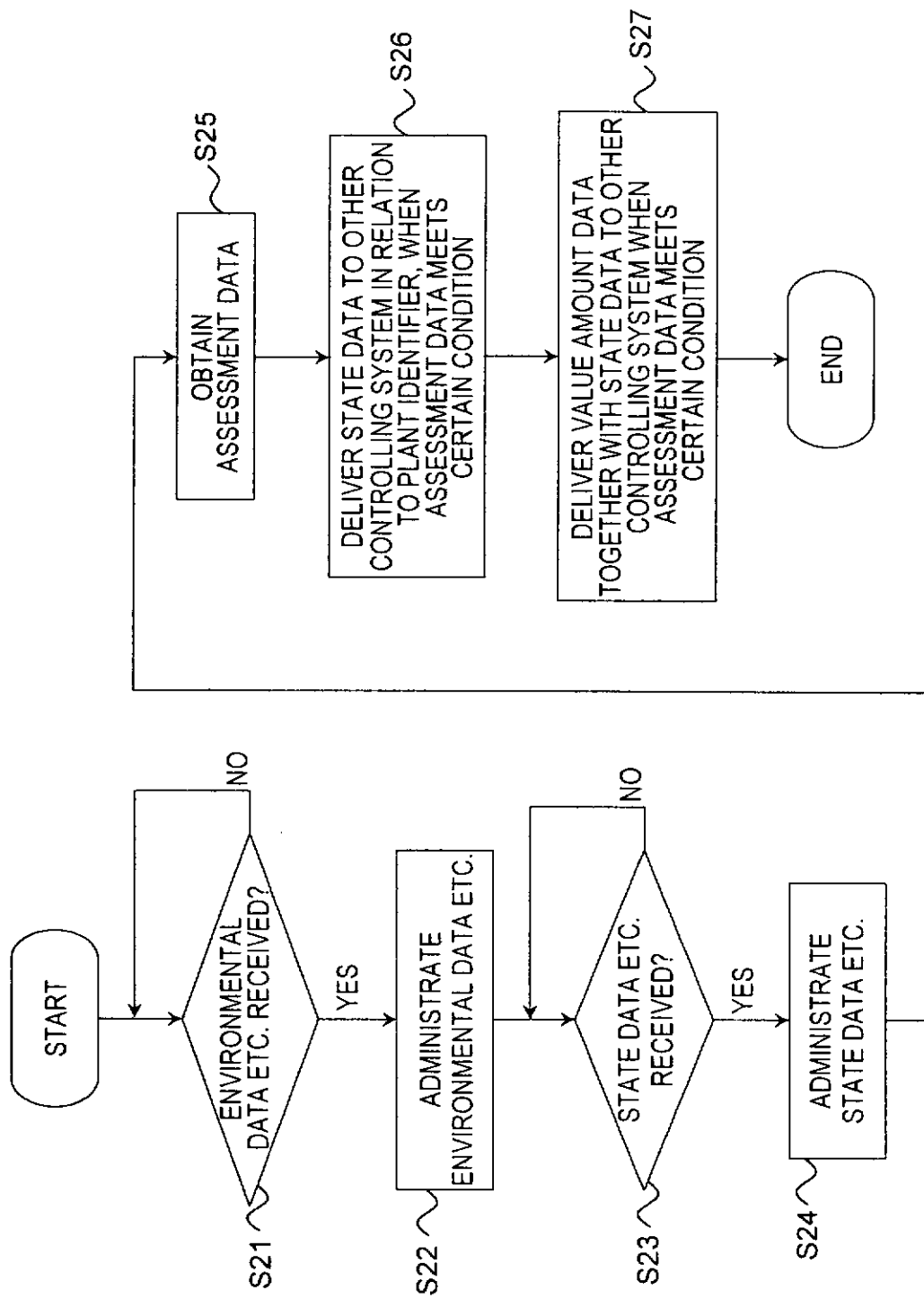


FIG.12

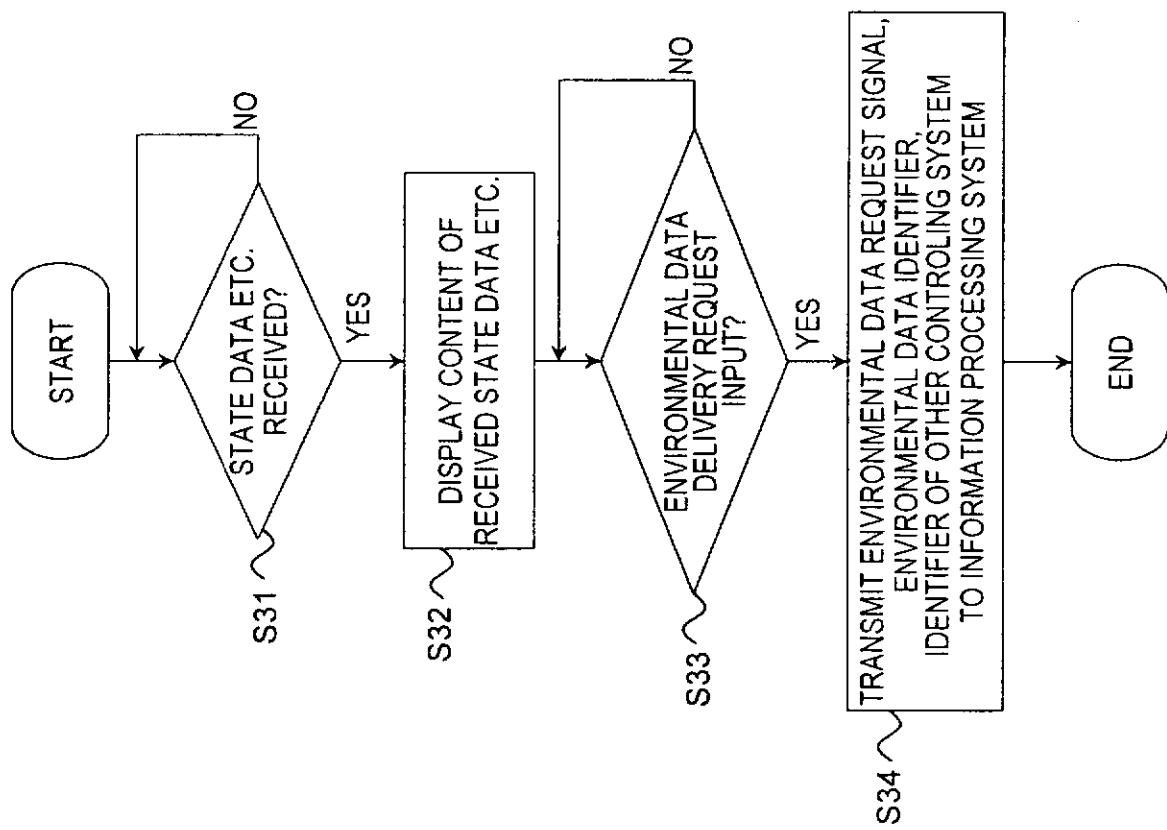


FIG.13

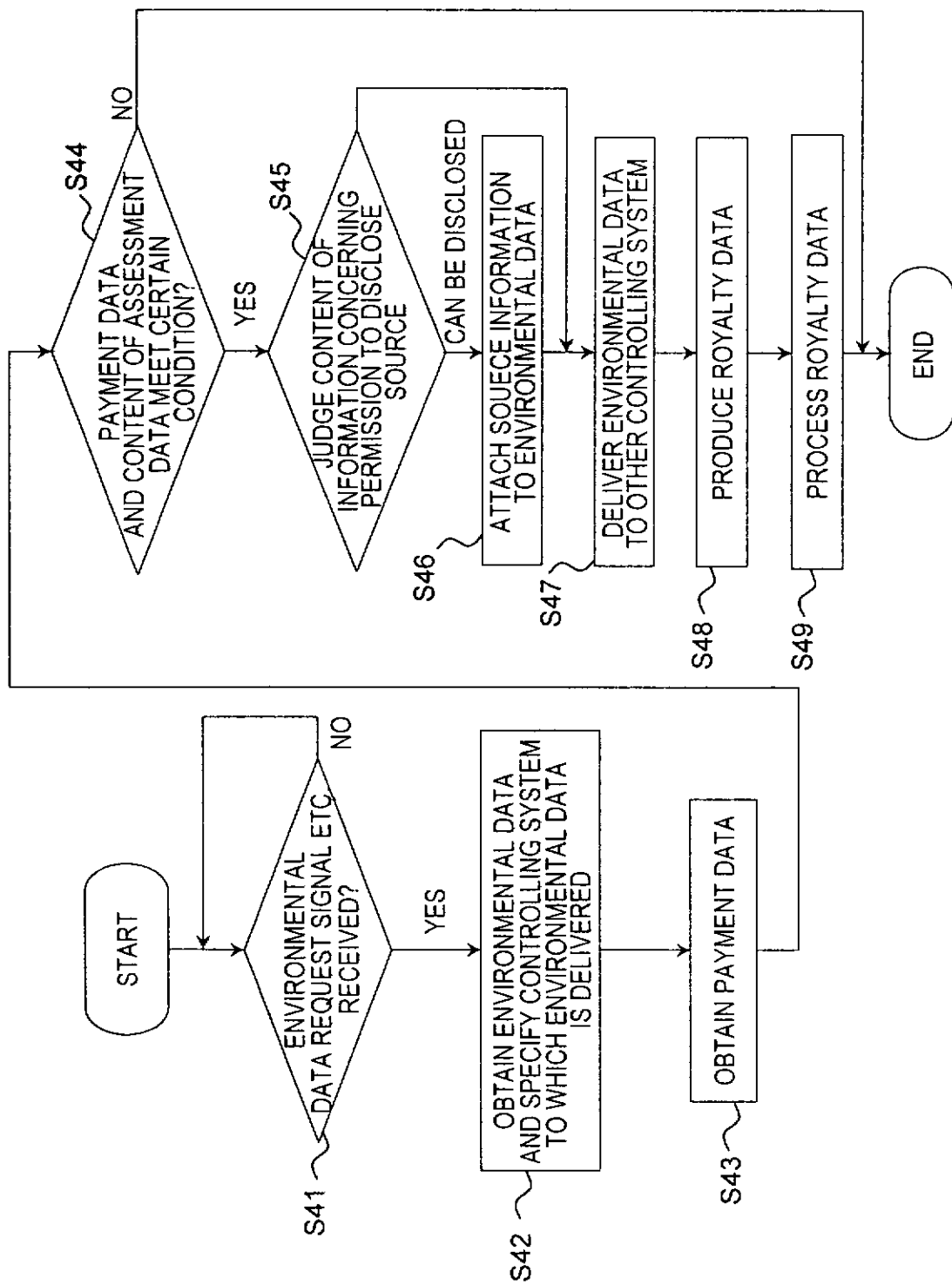


FIG.14

Projectrgb.exe in execution

The main window is titled "Artificial Plant Growth System - Over 1.0". It contains several panels:

- LED Table:** A grid of 12 buttons labeled P1 through P12. To the right, it shows "R=0", "N=61", "dT=1.0s", and "T=9s". Below the grid are buttons for "Start", "Stop", and "Load", and a checkbox for "check".
- Analog Out:** Displays "A0=5" and "A1=55".
- Digital Out:** A row of 8 buttons labeled D0 through D7.
- CO2 Control:** Features a slider for "CO2=1000ppm" with "ts=60s". Below it, "New ER=0.1000", "T=80", and "Ton=800" are shown. A "G=20a/50ppm" label is also present. At the bottom, there are checkboxes for "AllowCali", "Com", and "AOC", and a "Int=1.00s" label.
- Red Calib:** Includes a "gain" slider set to 1000, a "bias" slider set to 0, and a checkbox for "Red".
- Green Calib:** Similar to Red Calib, with "gain" at 1000, "bias" at 0, and a checkbox for "Green".
- Blue Calib:** Similar to Red Calib, with "gain" at 1000, "bias" at 0, and a checkbox for "Blue".
- Bottom Panel:** Contains buttons for "No", "Ref(%)", "Save", "Cali", "Load", and "OFF".

SET DYNAMIC GAIN

MONITORING OF CONTROLLING ELECTROMAGNETIC VALVE

BRIGHTNESS CORRECTION PANEL

CHECK HERE FOR CONTROLLING CO₂ WITHOUT FEED-BACK

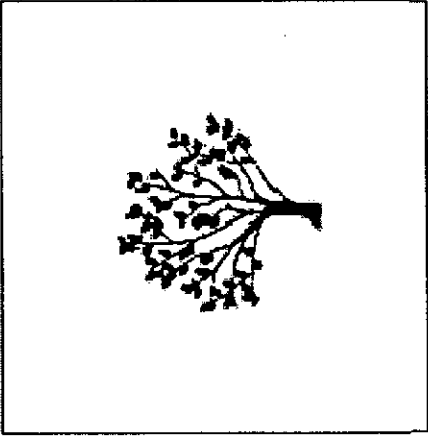
FOR CORRECTION OF ANALOG INPUT

CORRECTION DIALOG OF ANALOG INPUT

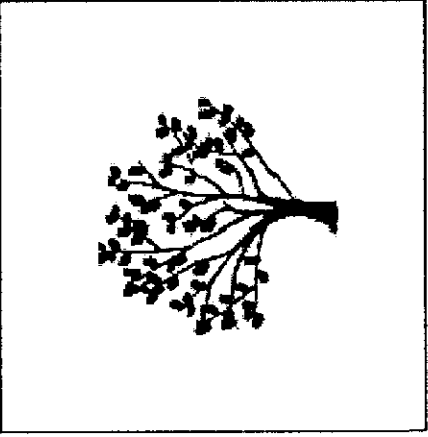
The dialog box is titled "Analog Input Cali". It displays the formula $Y = \text{Gain}(X + \text{Bias})$. Below the formula, there are input fields for "Gain" (set to 1000) and "Bias" (set to 0). At the bottom, there are buttons for "Default", "Save", and "Cancel".

RETURN TO FORMER VALUE

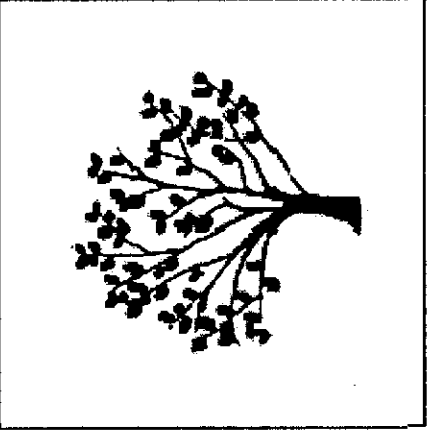
FIG.15



DAY 3



DAY 5



DAY 10

FIG.16

ANALYSIS RESULT ON "STRAWBERRY" BY CULTURE DATA NO.1234

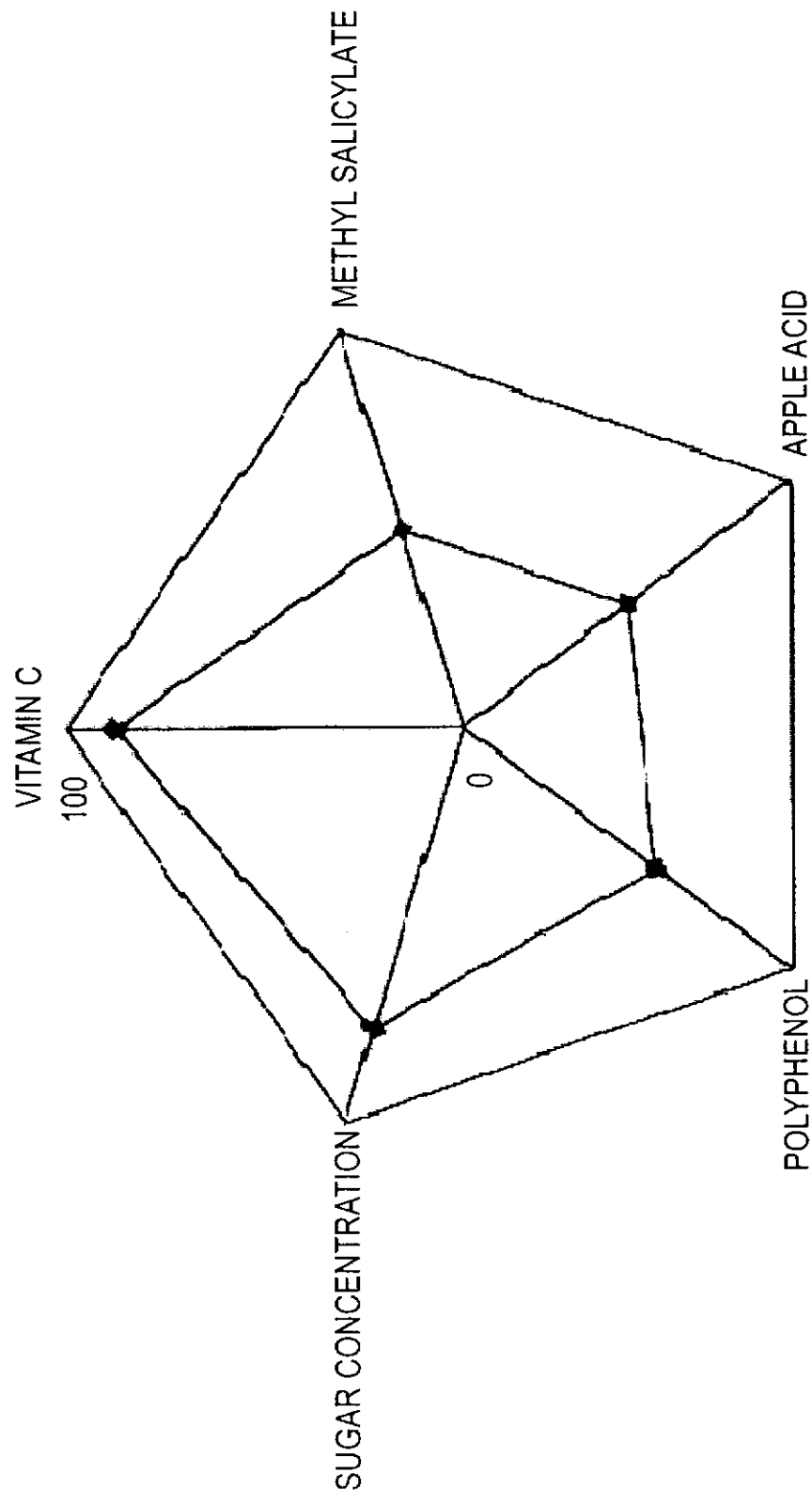


FIG.17

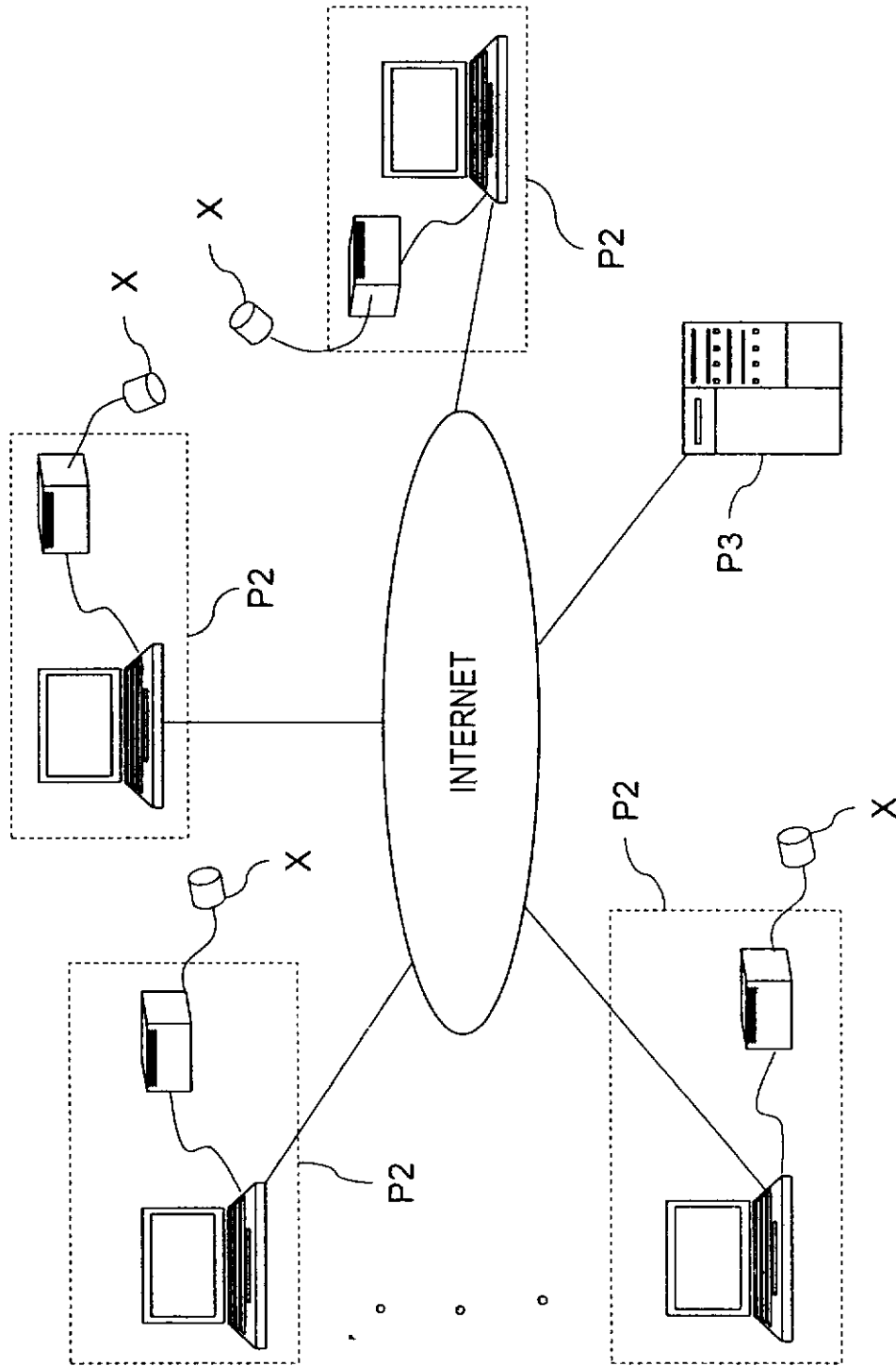


FIG.18

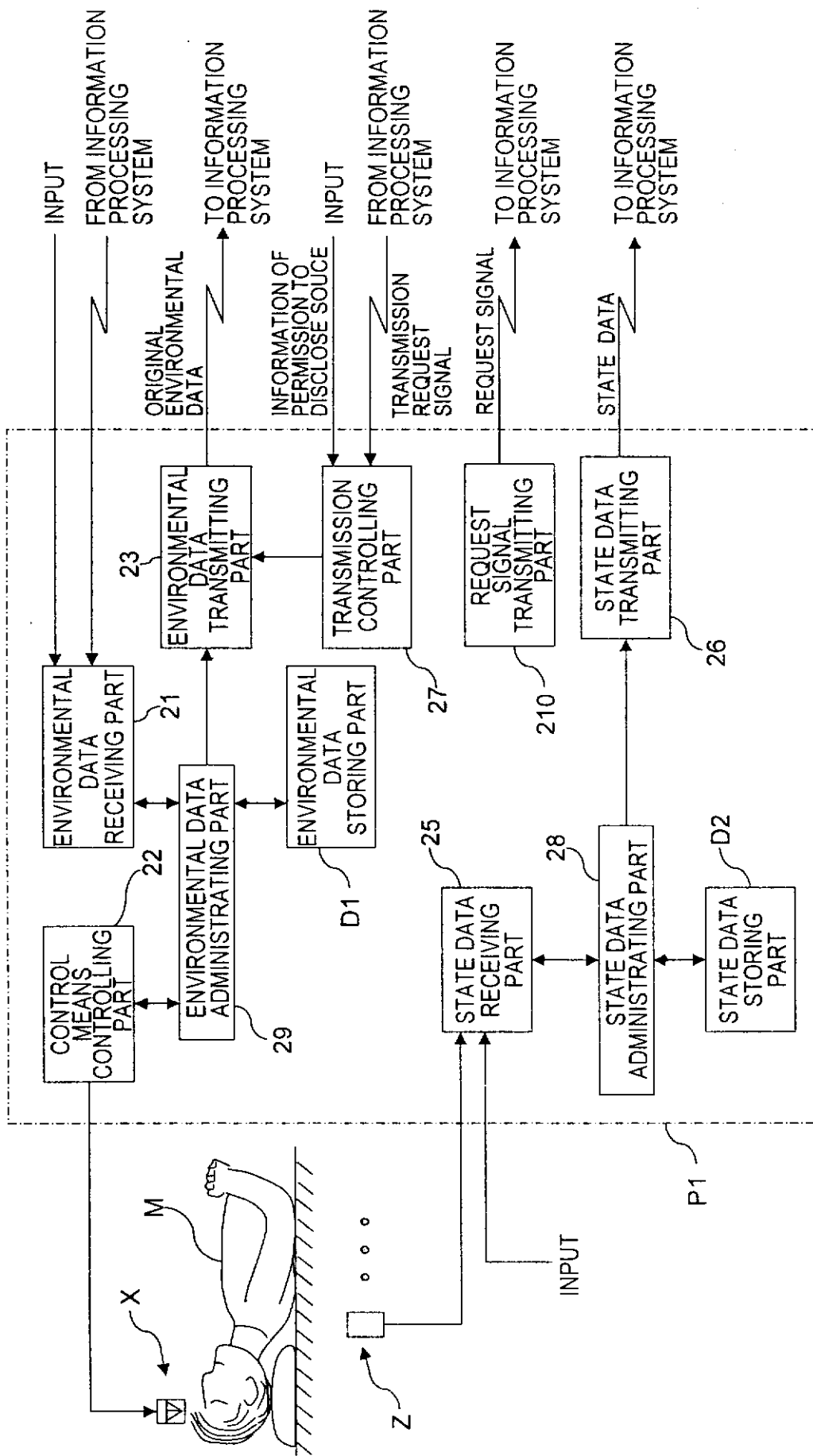


FIG.19

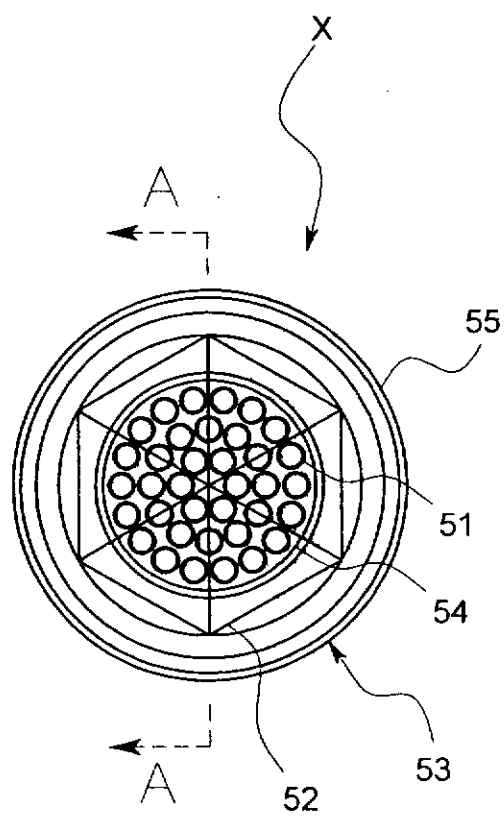


FIG.20

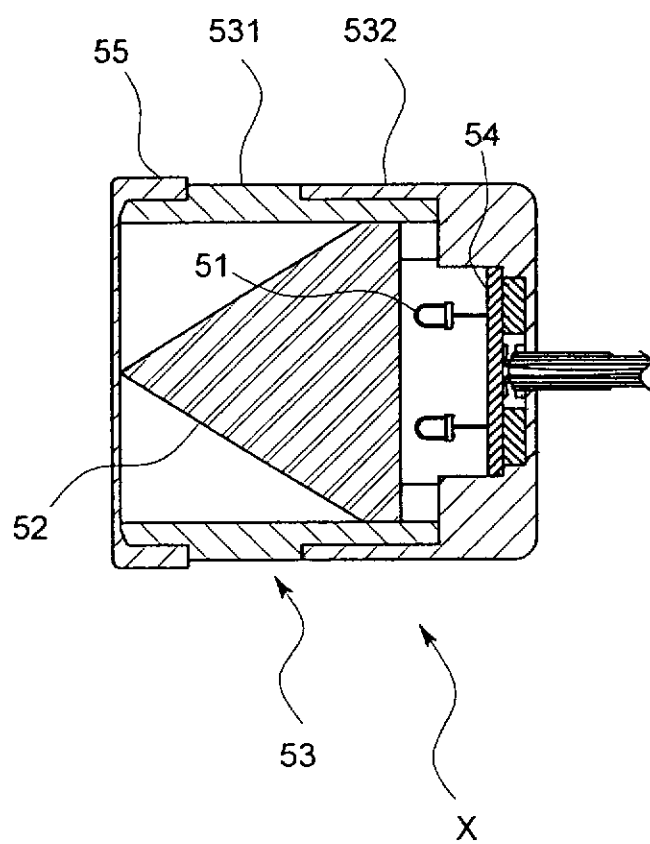


FIG.21

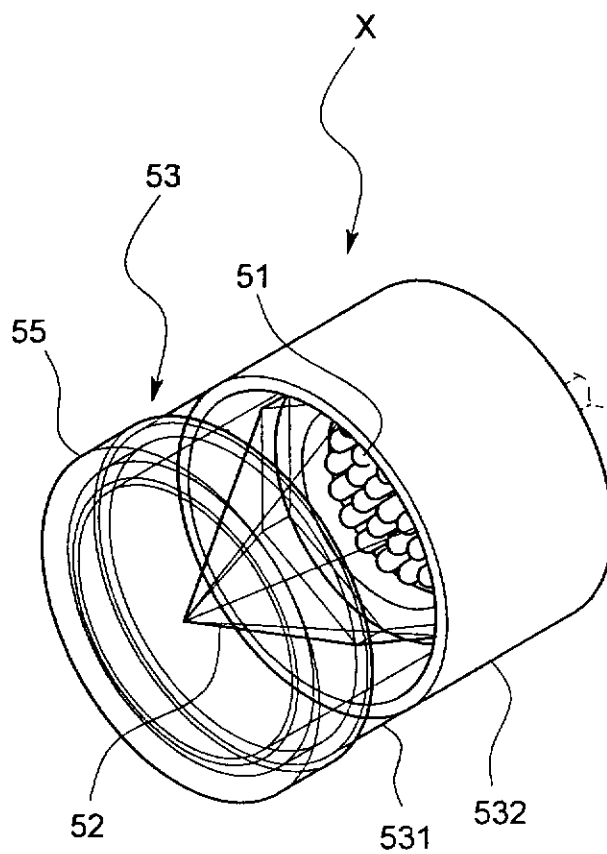


FIG.22

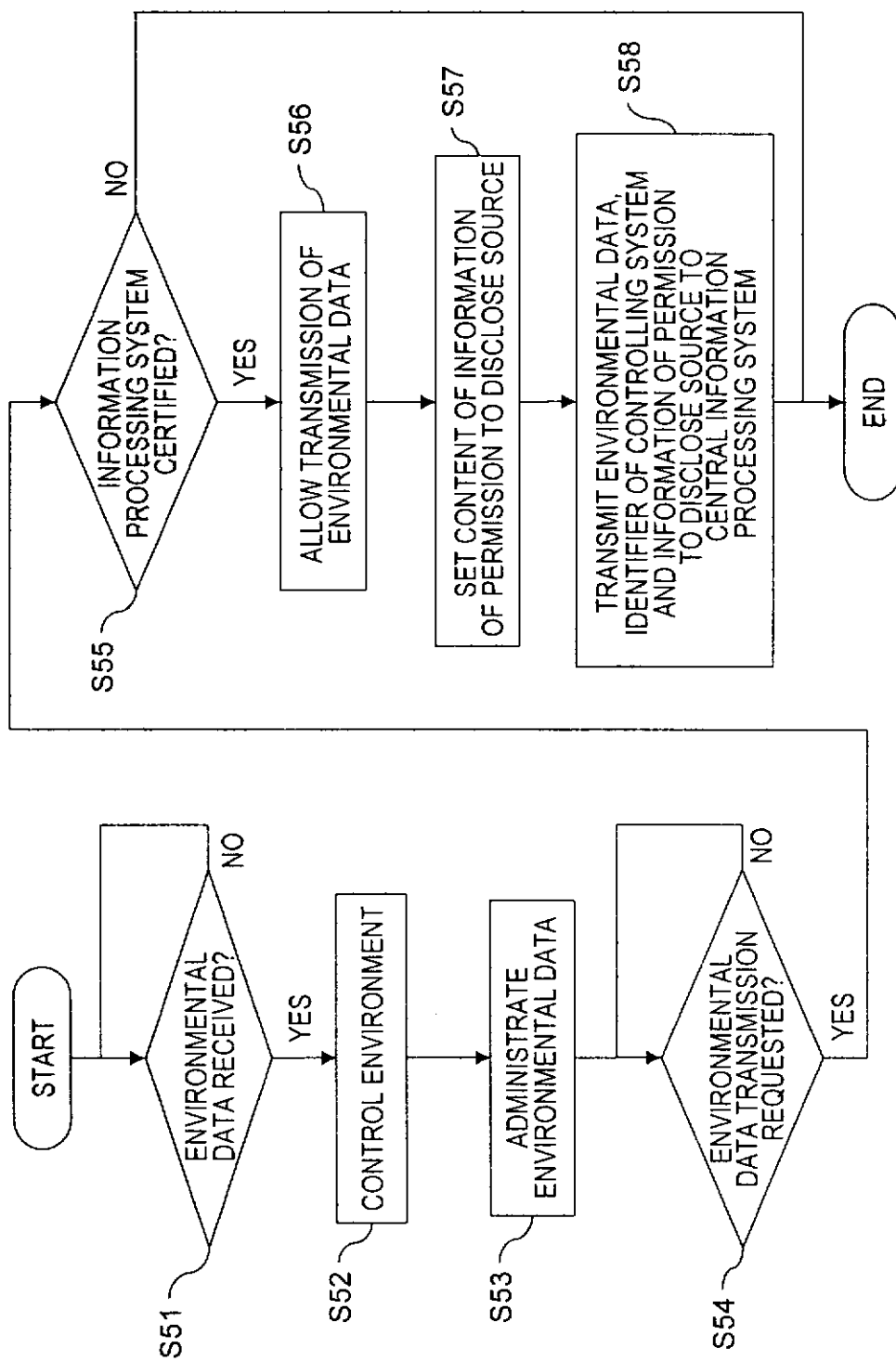


FIG.23

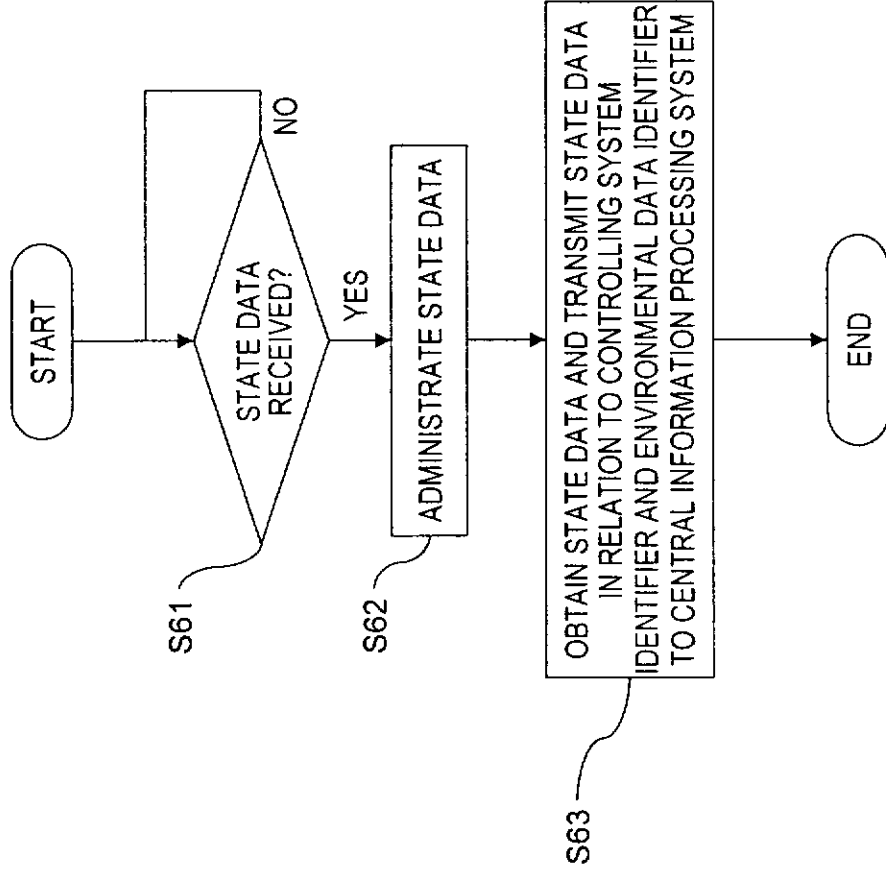


FIG. 24

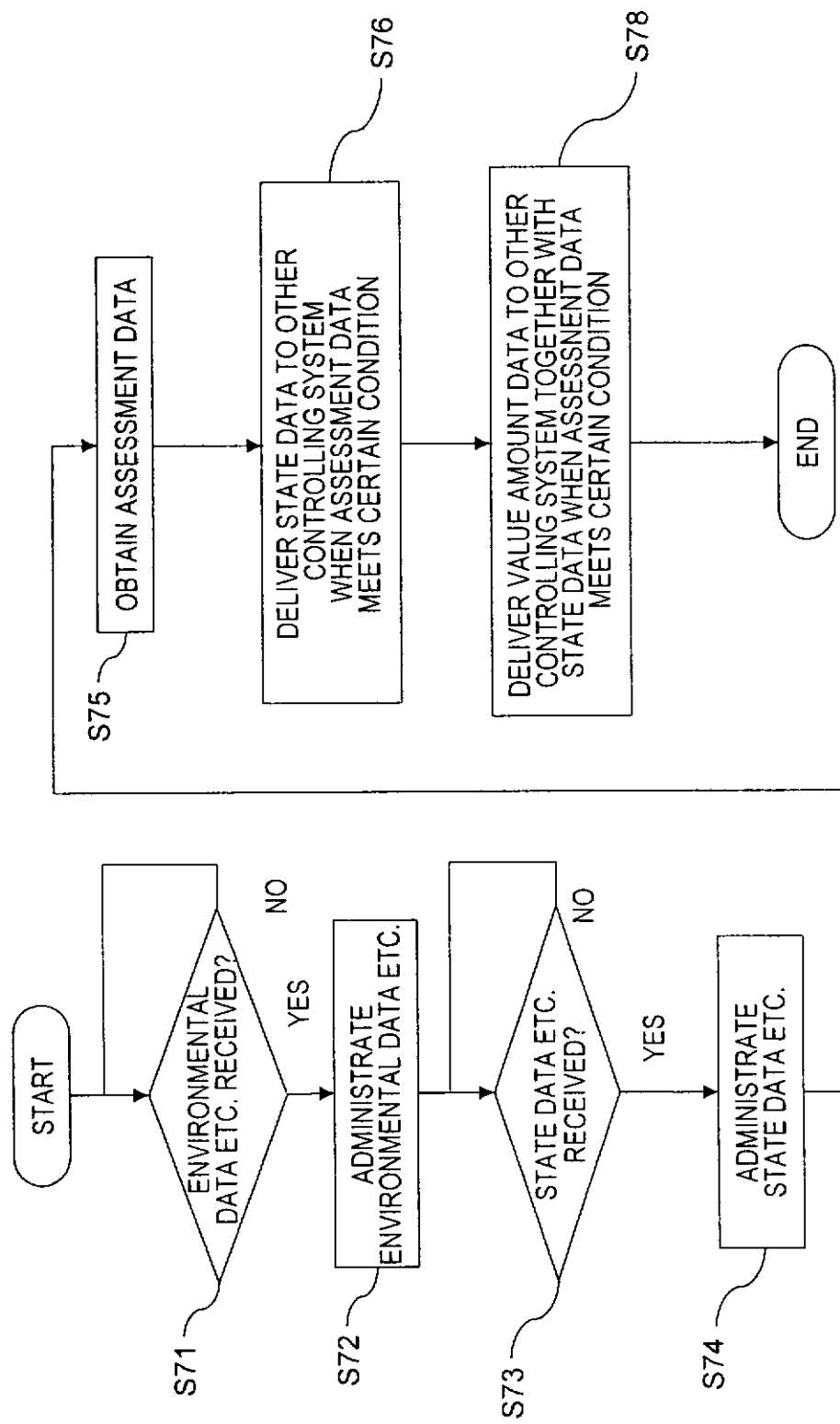


FIG.25

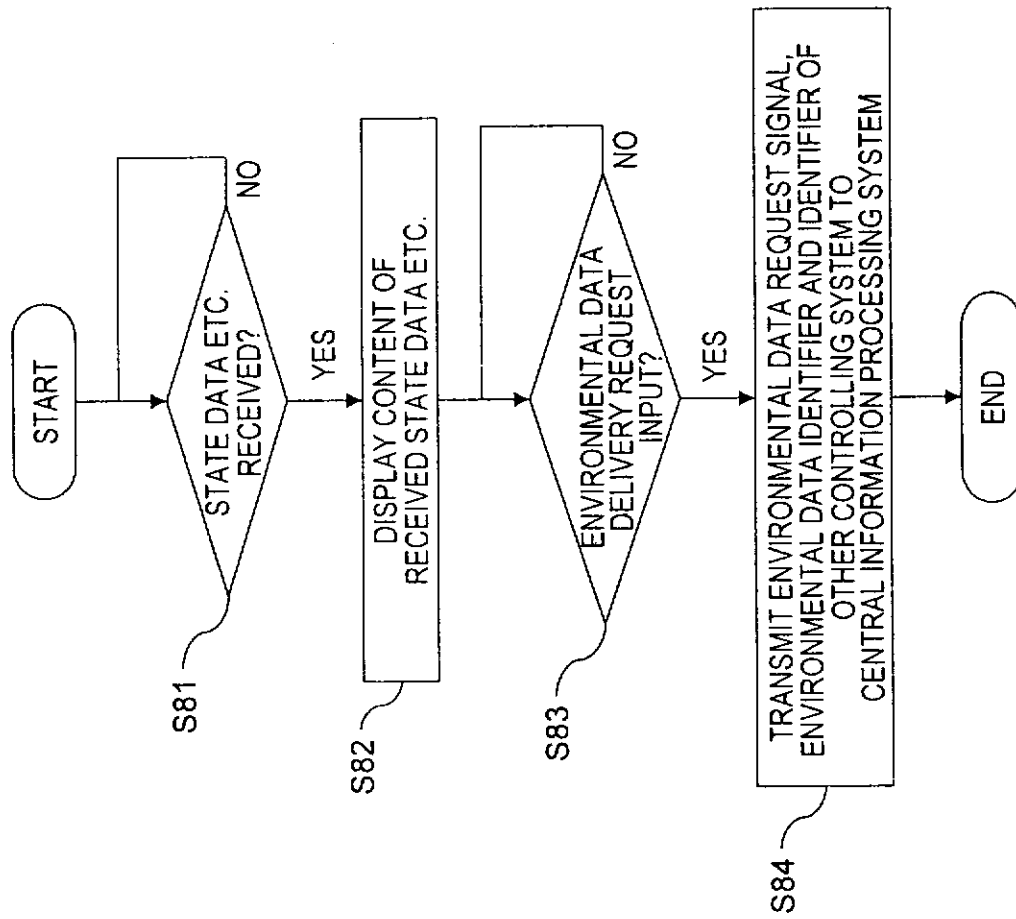


FIG.26

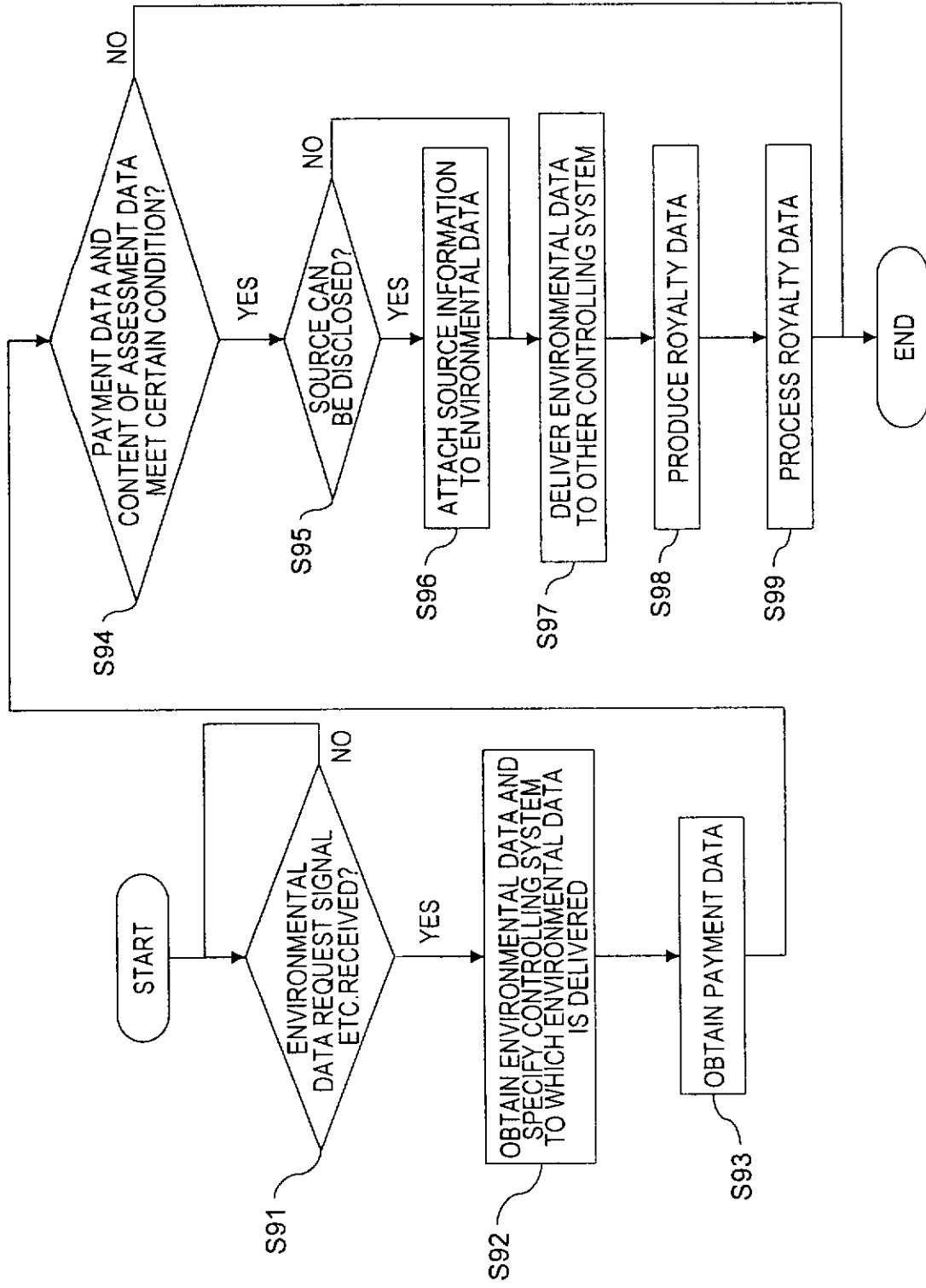


FIG.27

ENVIRONMENTAL DATA NAME	LIGHT EMITTING MODE	IRRADIATED PORTION	IRRADIATION TIME
E3567.xxx	SONATA 1.zzz	FOREHEAD	20 MINUTES

FIG.28

STATE DATA NAME	BRAIN WAVE	BODY TEMPERATURE CHANGE		OBSERVATION	CENESTHESIA
S3967.yyy	BRAIN WAVE 1 △△△△	BODY TEMPERATURE 1.□□□		OBSERVATION 1.txt	CENESTHESIA 1.txt

FIG.29

CONTROLLING SYSTEM IDENTIFIER	ENVIRONMENTAL DATA NAME	STATE DATA NAME	INFORMATION OF PERMISSION TO DISCLOSE SOURCE
c79034	E3567.xxx	S3967.yyy	1 (PERMITTED)
t98250	E2364.xxx	S8465.yyy	0 (NOT PERMITTED)

FIG.30