

FIG. 1

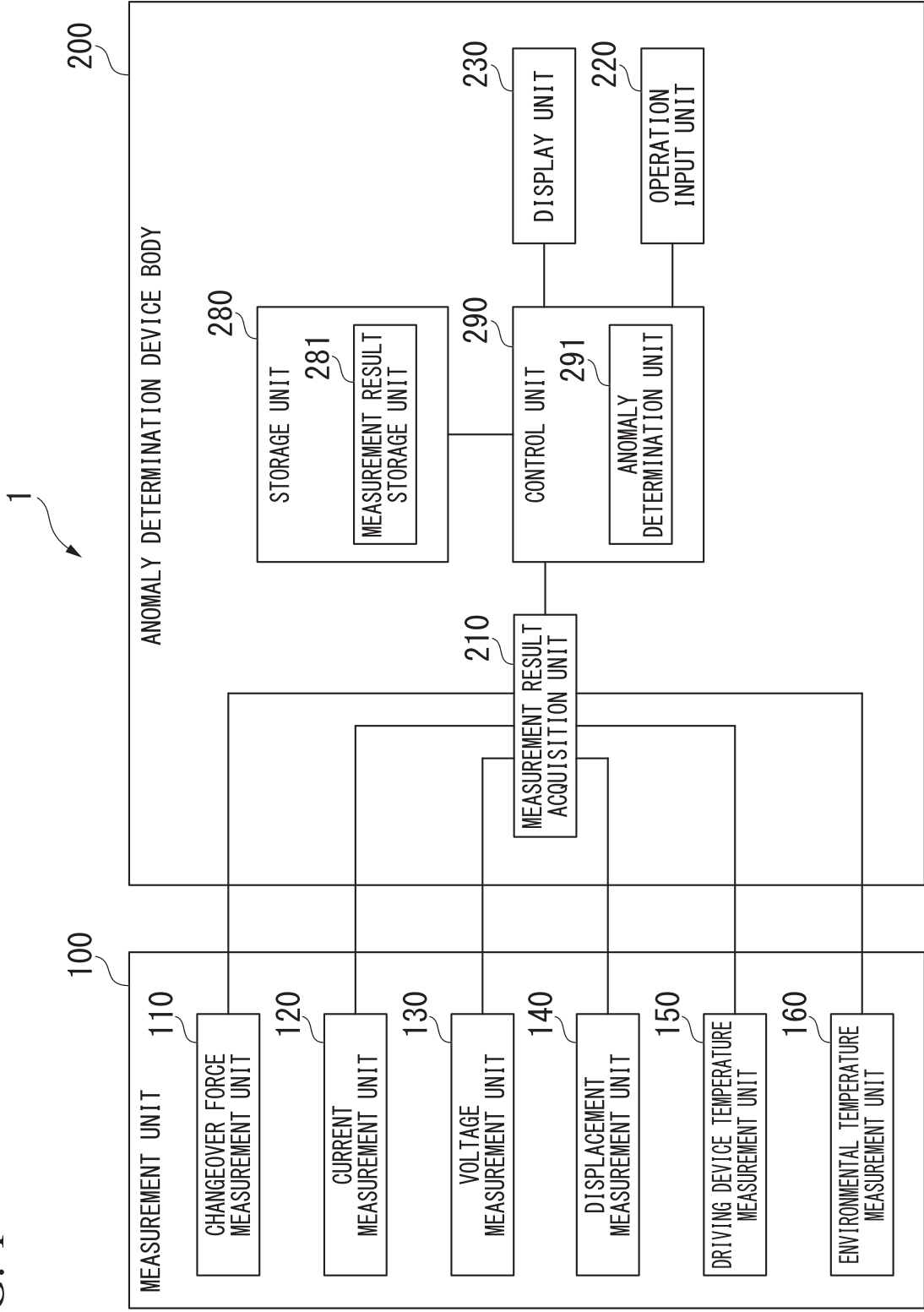


FIG. 2

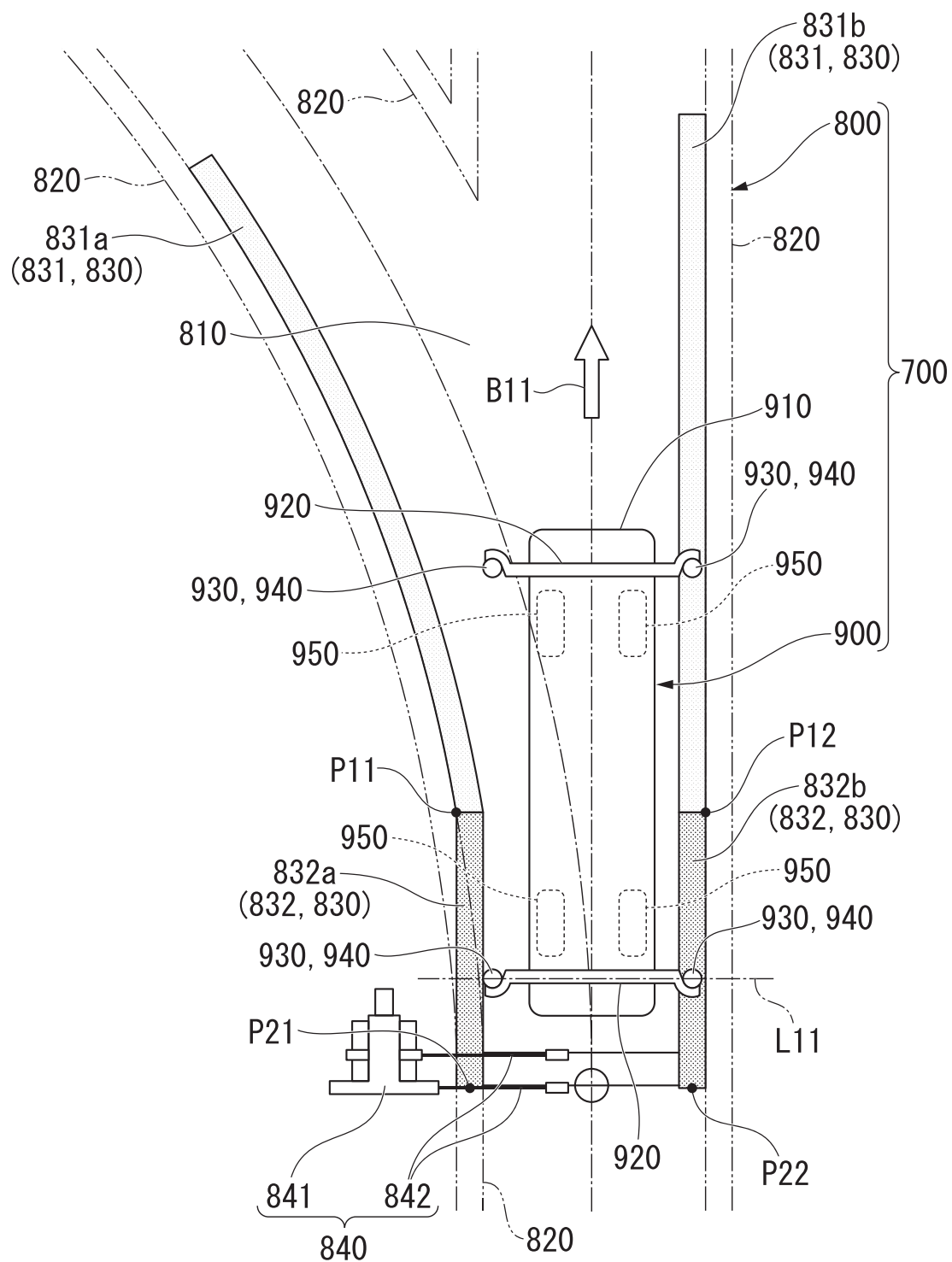


FIG. 3

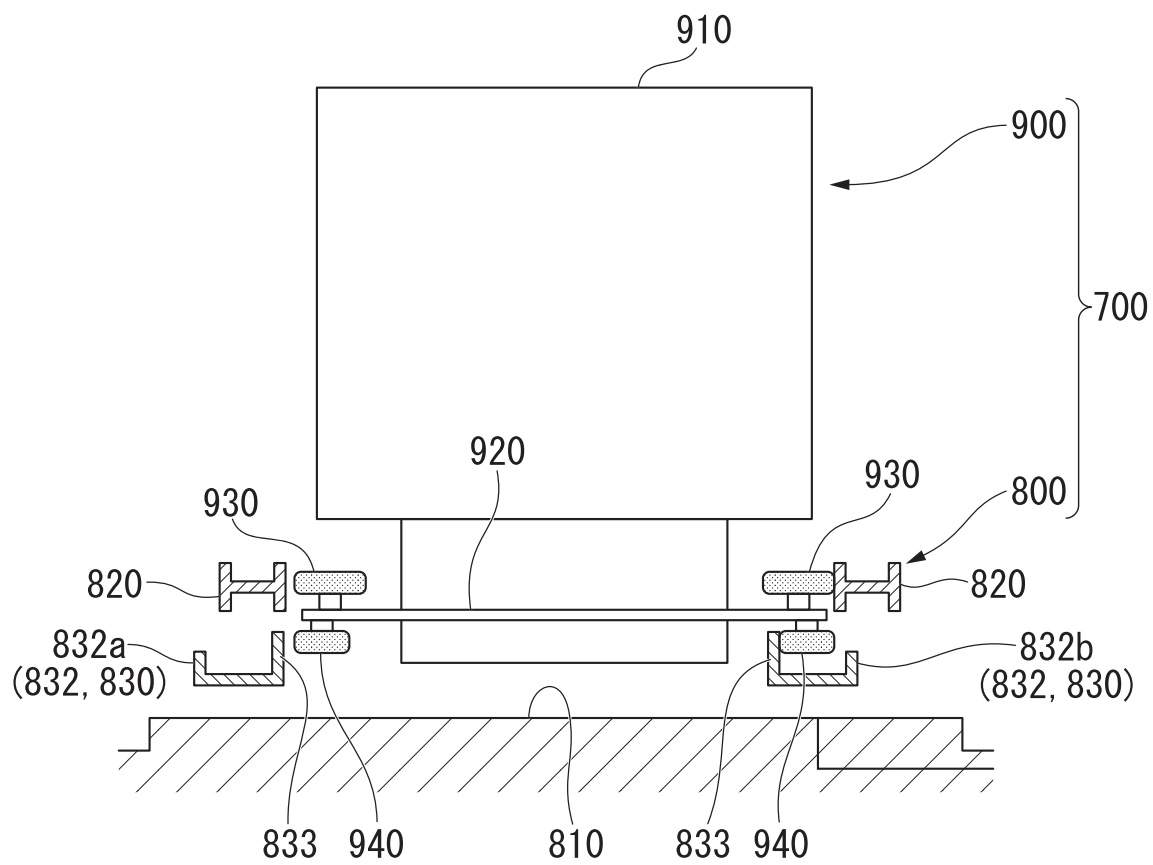


FIG. 4

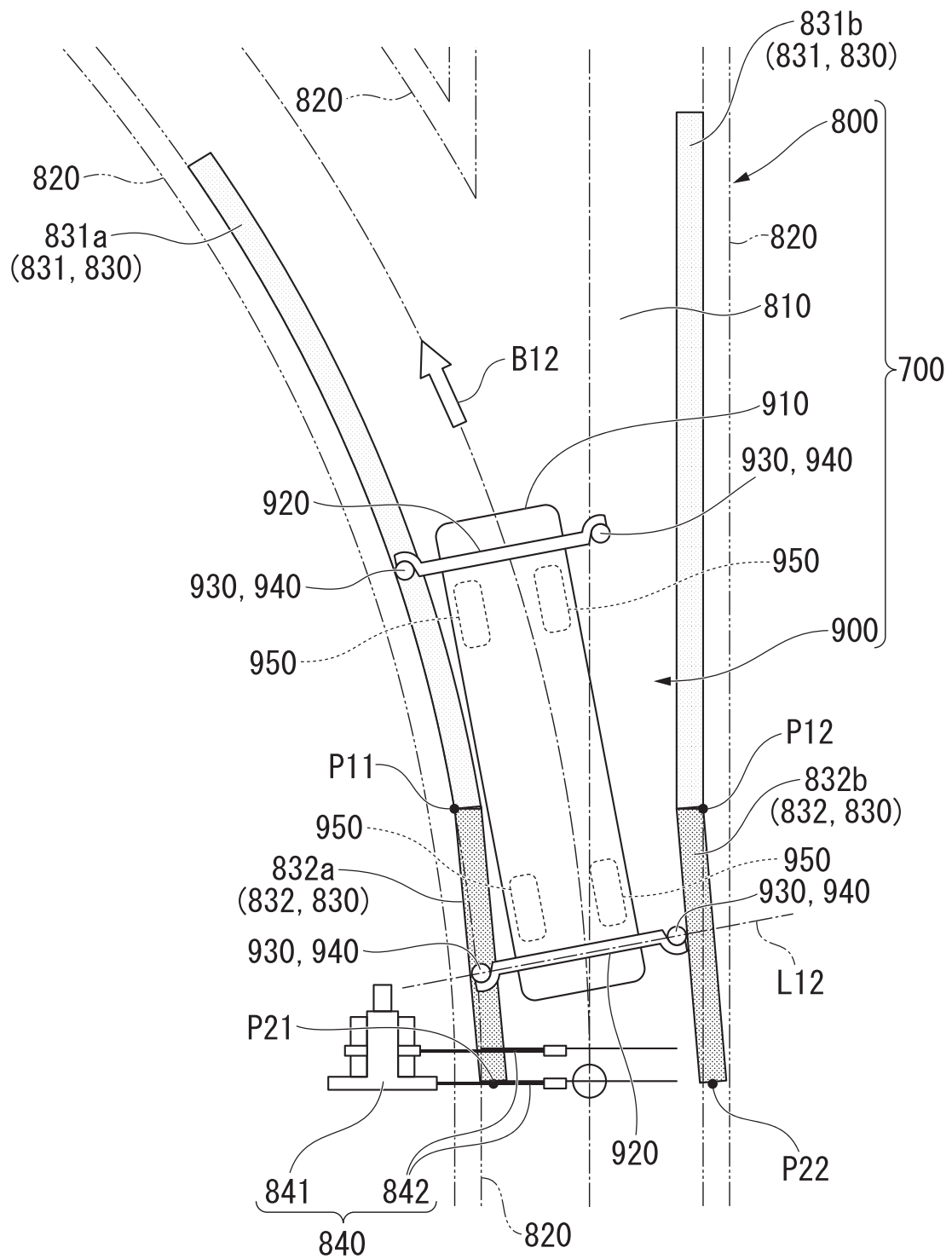


FIG. 5

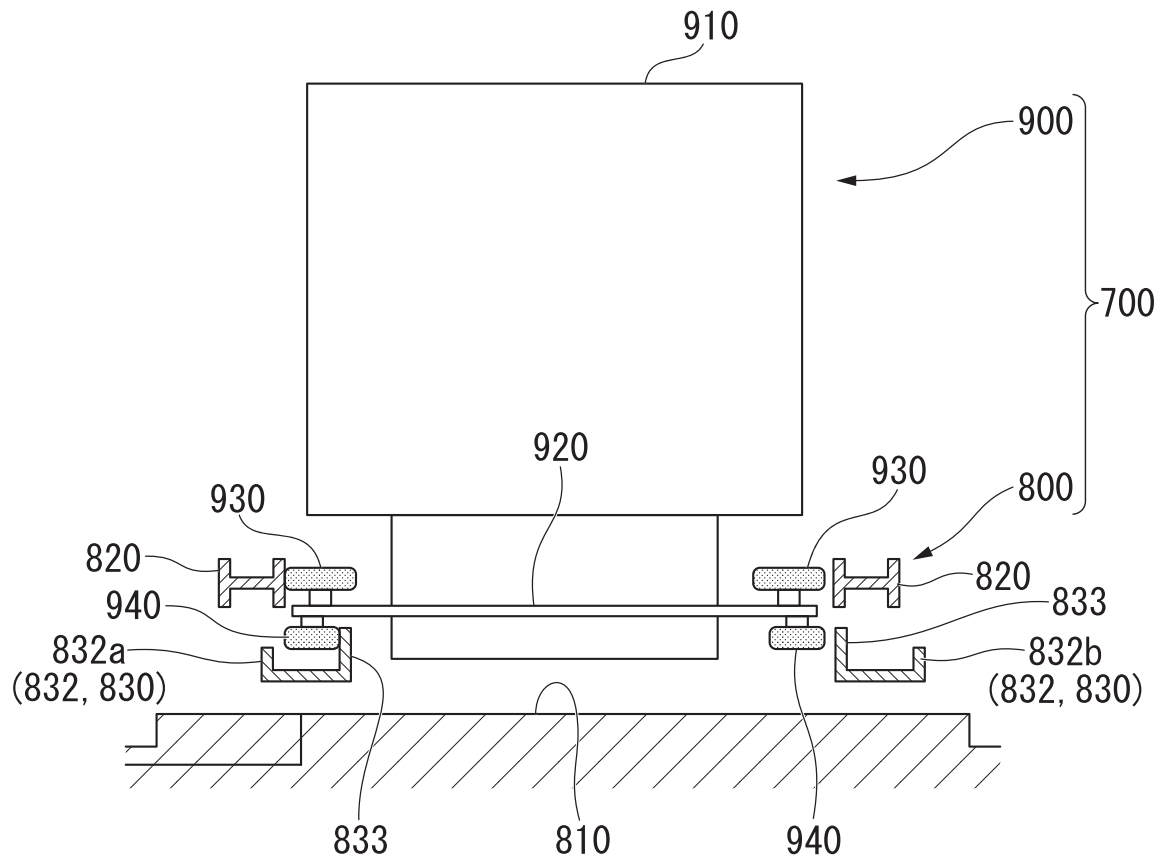


FIG. 6

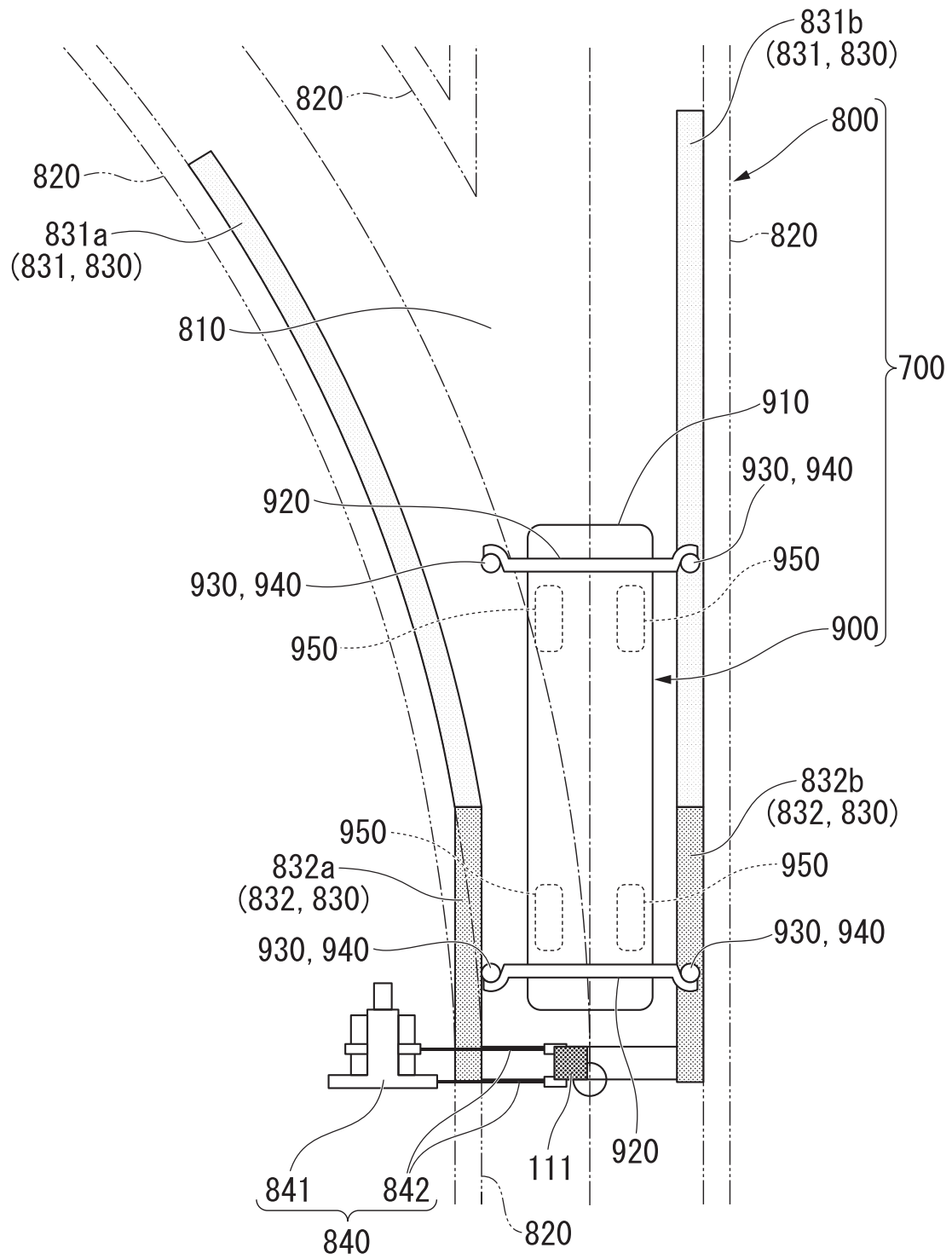


FIG. 7

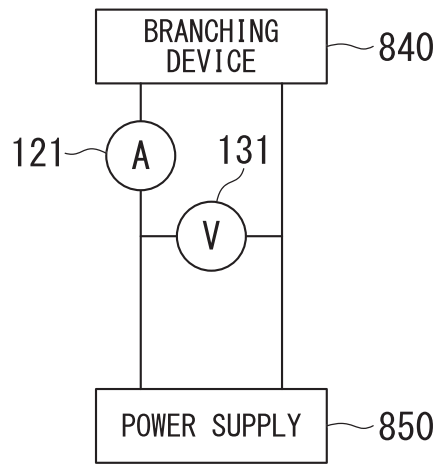


FIG. 8

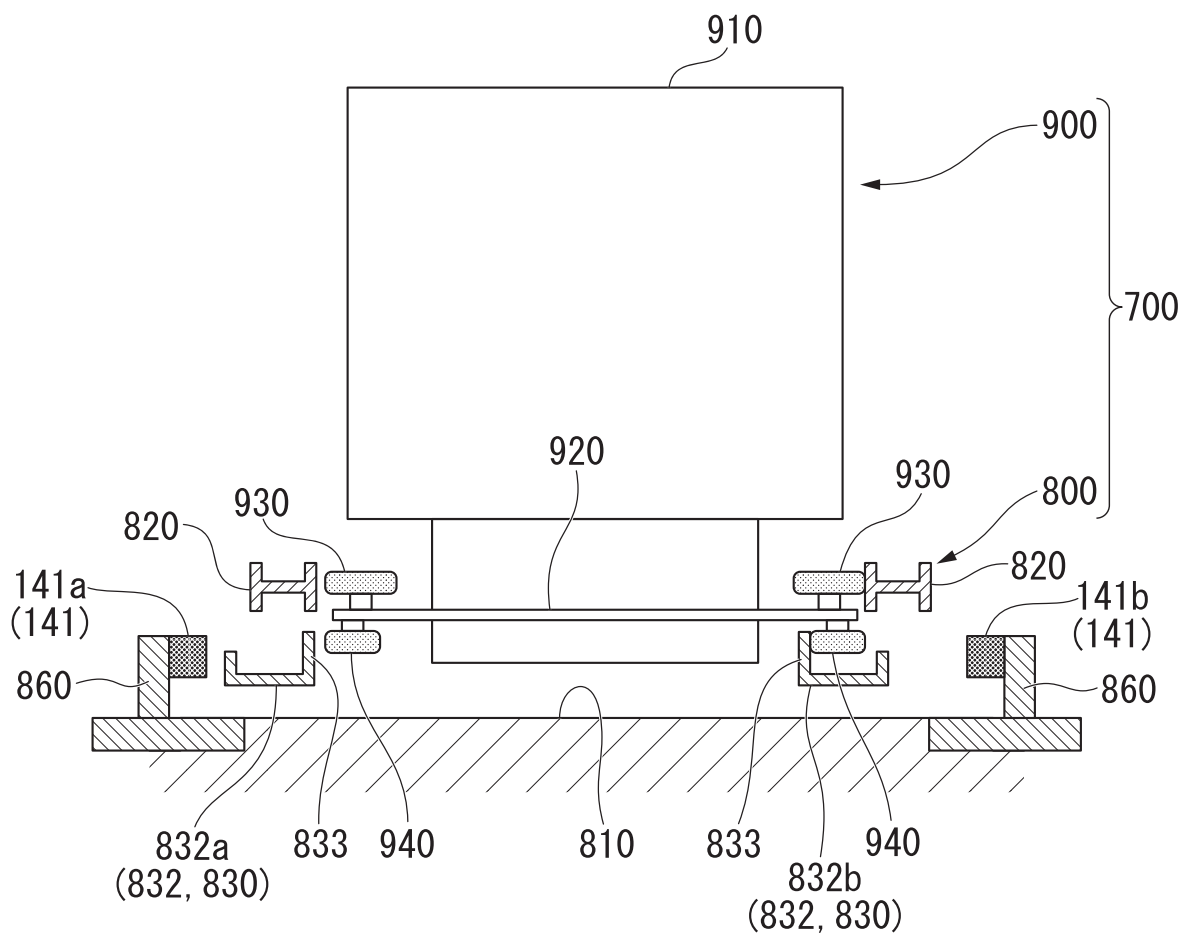


FIG. 9

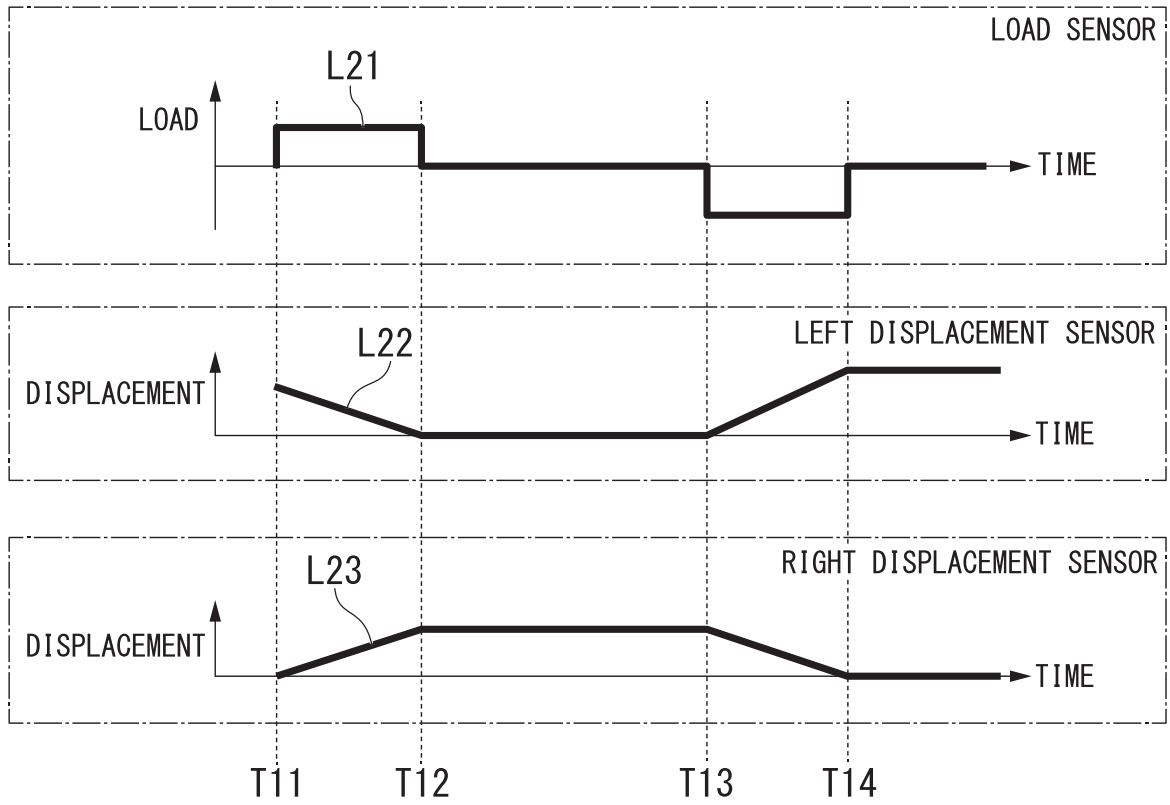


FIG. 10

MEASUREMENT ITEM	ANOMALY	CAUSE	ANOMALY OCCURRENCE PLACE
DISPLACEMENT (DISPLACEMENT MEASUREMENT UNIT)	PREDETERMINED AMOUNT OF DISPLACEMENT NOT DETECTED	VARIABLE BRANCH RAIL STRAINED WITH FOREIGN OBJECT	VARIABLE BRANCH RAIL
	AMOUNTS OF LEFT AND RIGHT DISPLACEMENTS ARE DIFFERENT	LOOSE ENGAGEMENT BETWEEN VARIABLE BRANCH RAIL AND ROD	
	DISPLACEMENT OFFSET GENERATION	DEFORMATION OF VARIABLE BRANCH RAIL OR ROD	
SWITCHING SPEED (CALCULATED FROM DISPLACEMENT)	DECREASE IN SWITCHING SPEED	VARIABLE BRANCH RAIL BEING STIFF DUE TO RUST, FREEZING, OR THE LIKE	VARIABLE BRANCH RAIL
CHANGEOVER FORCE (CHANGEOVER FORCE MEASUREMENT UNIT)	INCREASE IN CHANGEOVER FORCE (RESISTANCE)	VARIABLE BRANCH RAIL BEING STIFF DUE TO RUST, FREEZING, OR THE LIKE	
VOLTAGE (VOLTAGE MEASUREMENT UNIT)	DECREASE IN VOLTAGE, OR OVERVOLTAGE	FAILURE OF POWER SUPPLY	POWER SUPPLY
CURRENT (CURRENT MEASUREMENT UNIT)	DECREASE IN CURRENT	FAILURE OF DRIVING DEVICE (DISCONNECTION, CONTACT FAILURE, OR THE LIKE)	DRIVING DEVICE
	DECREASE IN CURRENT, OR OVERCURRENT	FAILURE OF POWER SUPPLY	POWER SUPPLY
DRIVING DEVICE TEMPERATURE (DRIVING DEVICE TEMPERATURE MEASUREMENT UNIT)	ABNORMAL GENERATION OF HEAT	SIGN OF FAILURE OF DRIVING DEVICE	DRIVING DEVICE
		BURNOUT OF DRIVING DEVICE	
ENVIRONMENTAL TEMPERATURE (ENVIRONMENTAL TEMPERATURE MEASUREMENT UNIT)	TEMPERATURE DROP	USED FOR DETERMINATION AS TO FREEZING	(VARIABLE BRANCH RAIL)

FIG. 11

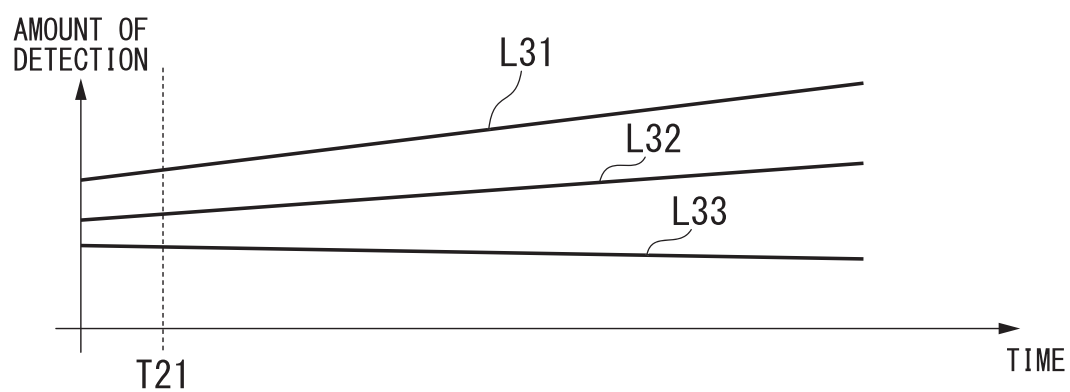


FIG. 12

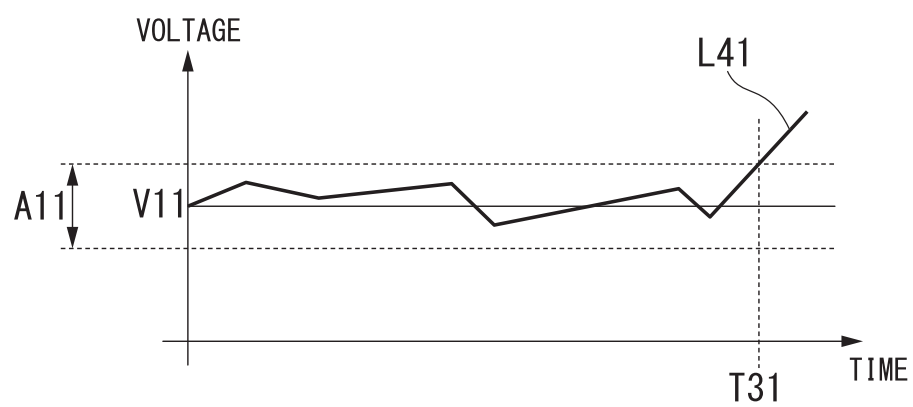


FIG. 13

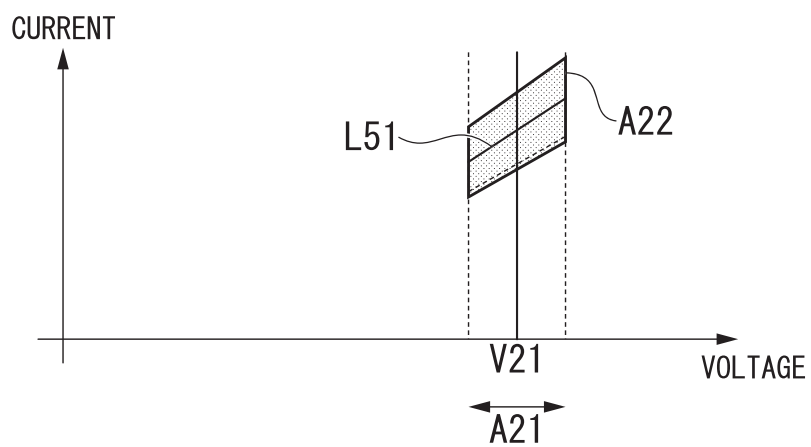


FIG. 14

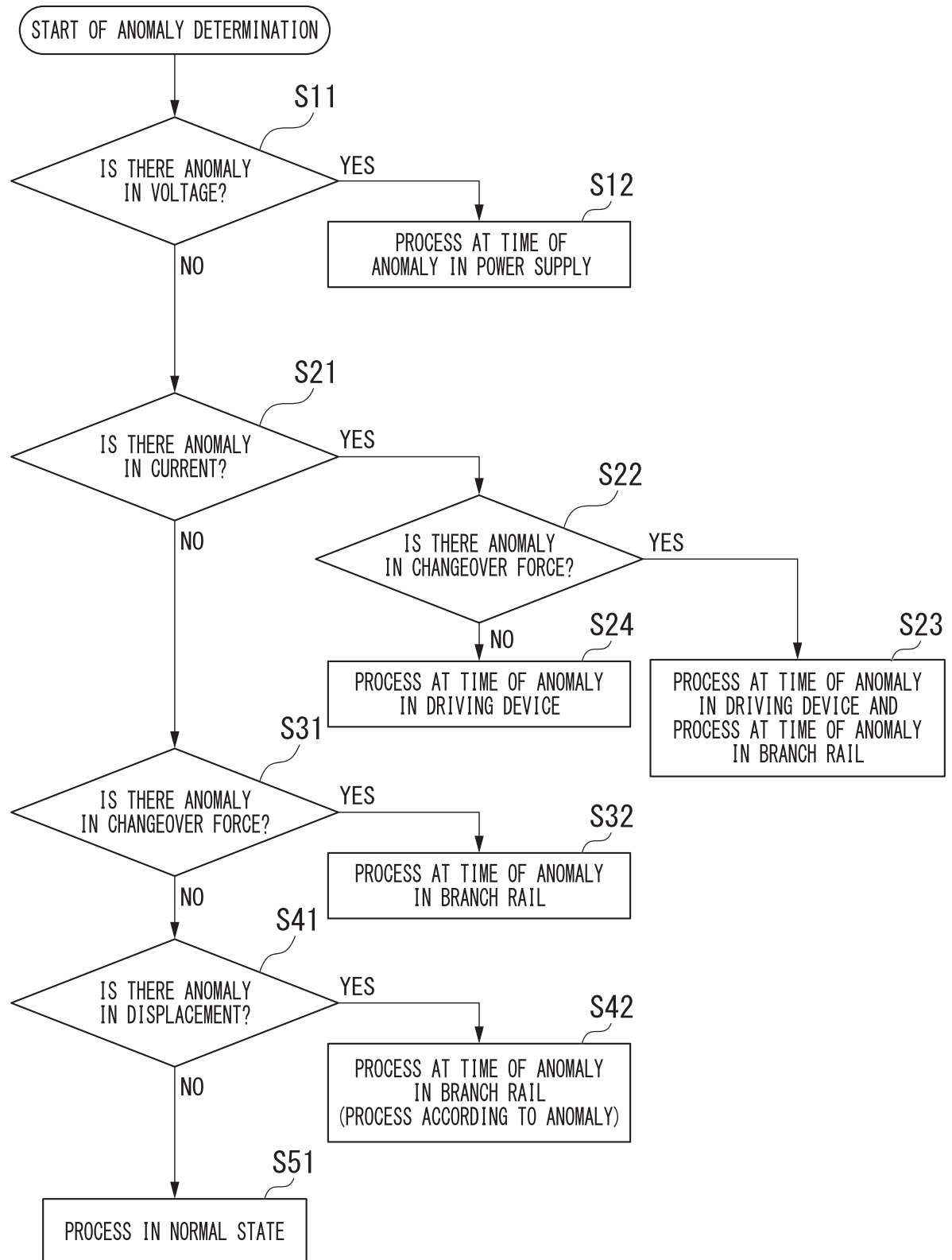


FIG. 15

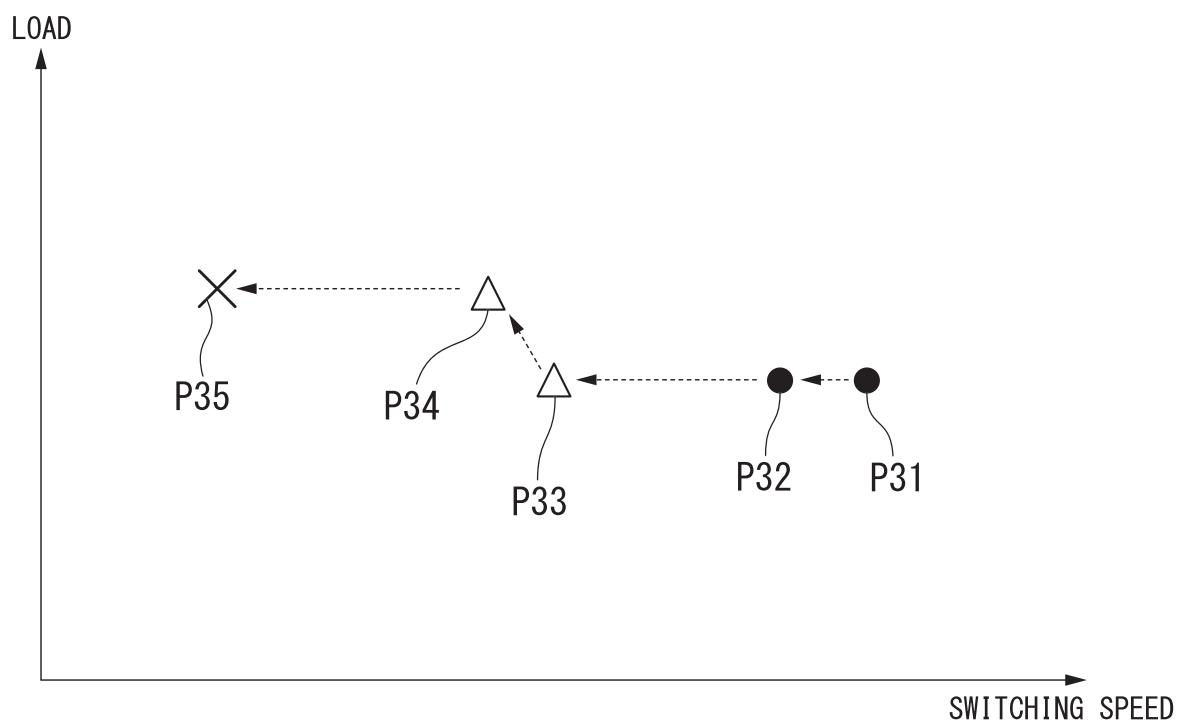


FIG. 16

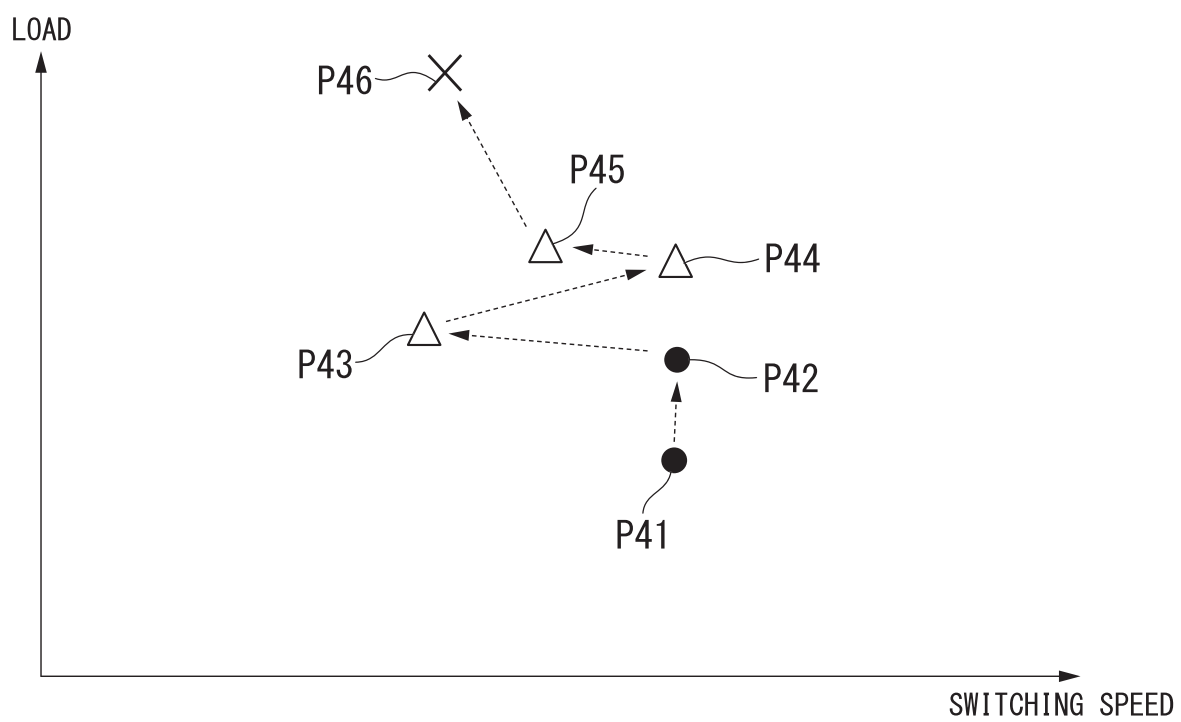


FIG. 17

