

FIG. 2

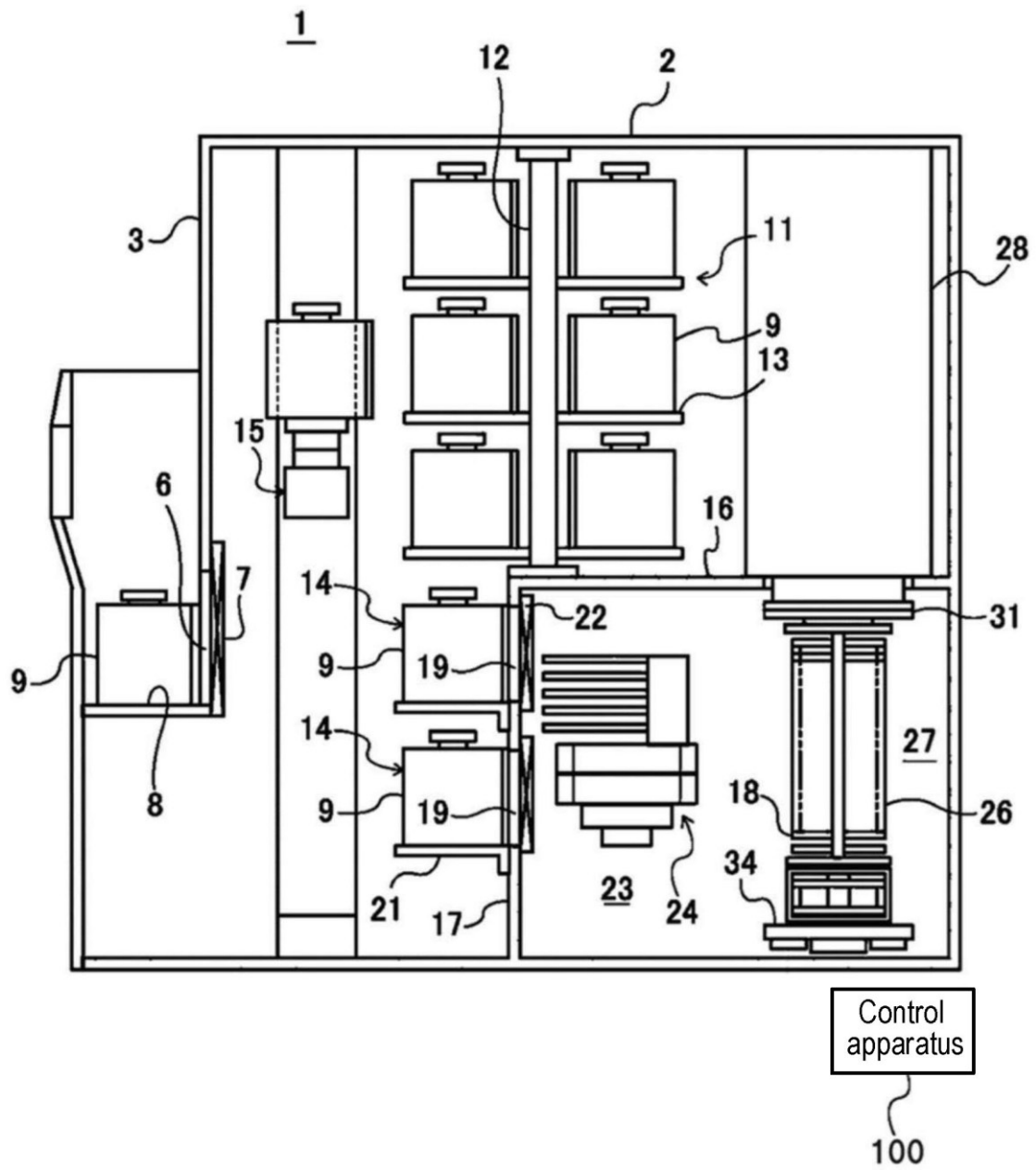


FIG. 3

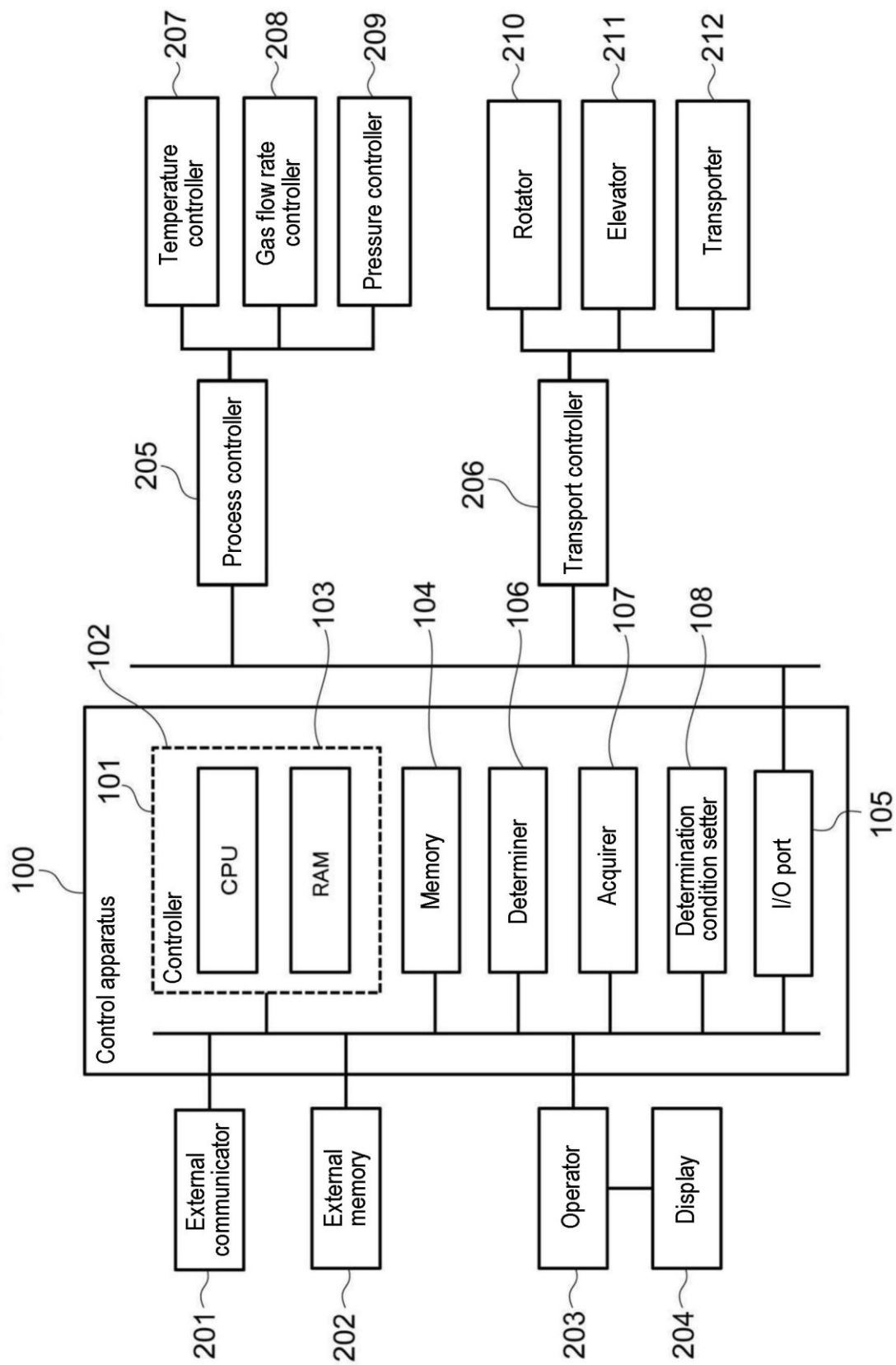


FIG. 4

300

321 ☐ Alarm 304

301 Content Name Check Module 305

302 Recipe Name Job Type 306

303 Step Name Loop Count

311 Item

312 Stability Criteria

313 Stability Upper Limit Stability Lower Limit 314

315 Stability Duration

319 Learning Data

316 Passed Area Upper Limit Passed Area Lower Limit 317

318 Division Count

OK 322 Cancel 323

FIG. 5A

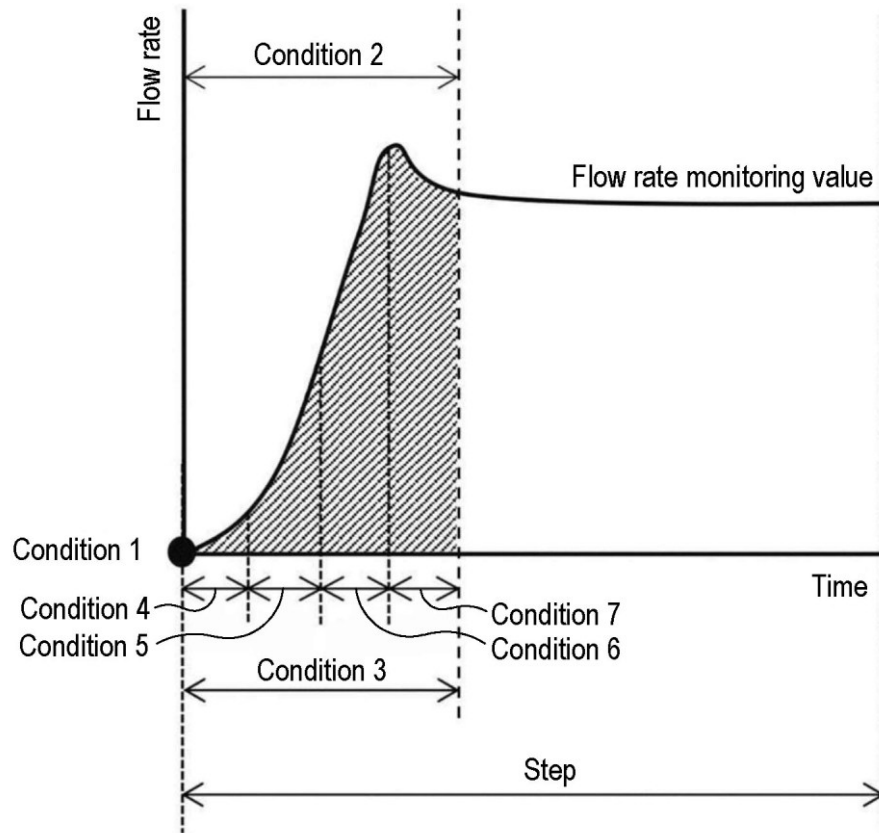


FIG. 5B

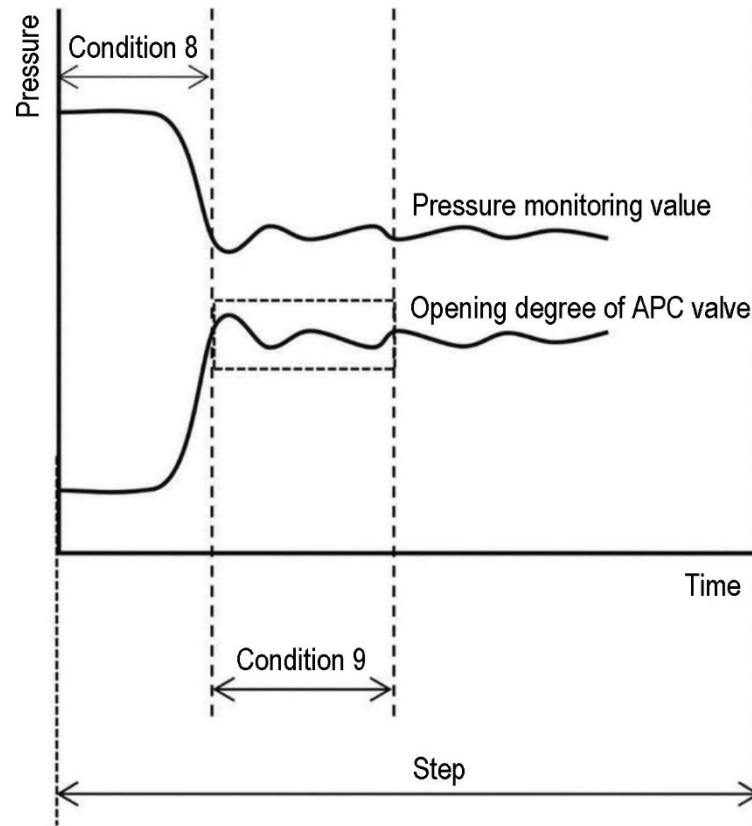


FIG. 6

Condition	Content	Calculation condition	Determination range
1	value at determination start timing	value at step start timing	average value $\pm 3\sigma$
2	time until stabilization is reached	time elapsed until timing at which $\pm 50\%$ of set value has been maintained for 100 ms is reached, starting from the value at step start timing	set value or maximum flow rate $\pm a\%$ $\pm b\%$
3	area until stabilization is reached	total flow rate until Condition 2 is satisfied	average value $\pm 3\%$
4	area per section	flow rate during 0-25% period of Condition 3	average value $\pm 5\%$
5	area per section	flow rate during 25-50% period of Condition 4	average value $\pm 5\%$
6	area per section	flow rate during 50-75% period of Condition 5	average value $\pm 5\%$
7	area per section	flow rate during 75-100% period of Condition 6	average value $\pm 5\%$
8	time until stabilization is reached	time elapsed until timing at which $\pm 50\%$ of set value has been maintained for 100 ms is reached, starting from the value at step start timing	average value $\pm 3\sigma$
9	stability from stabilization time	for t seconds from stabilization time	average value $\pm 3\sigma$

FIG. 7

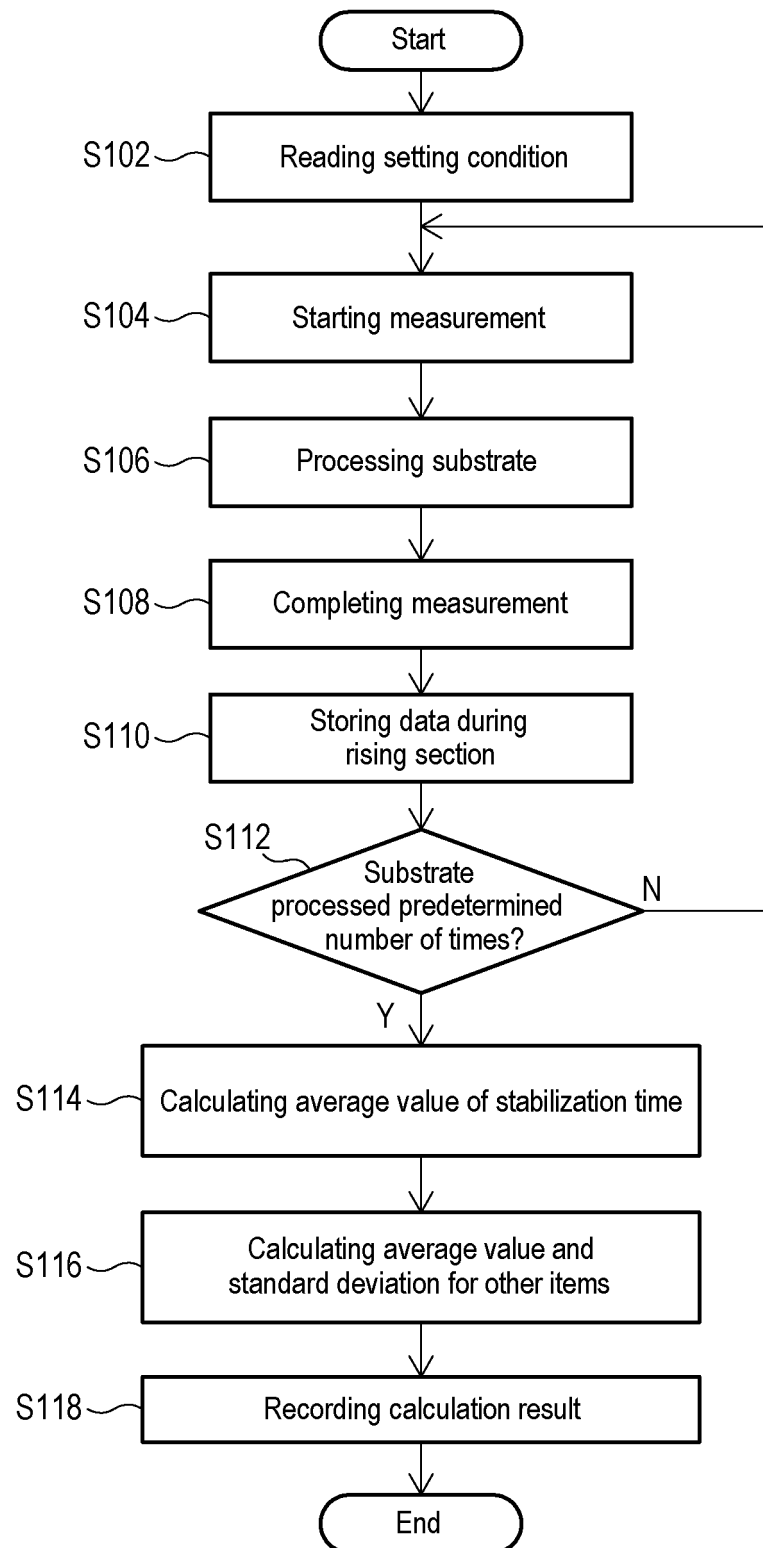


FIG. 8

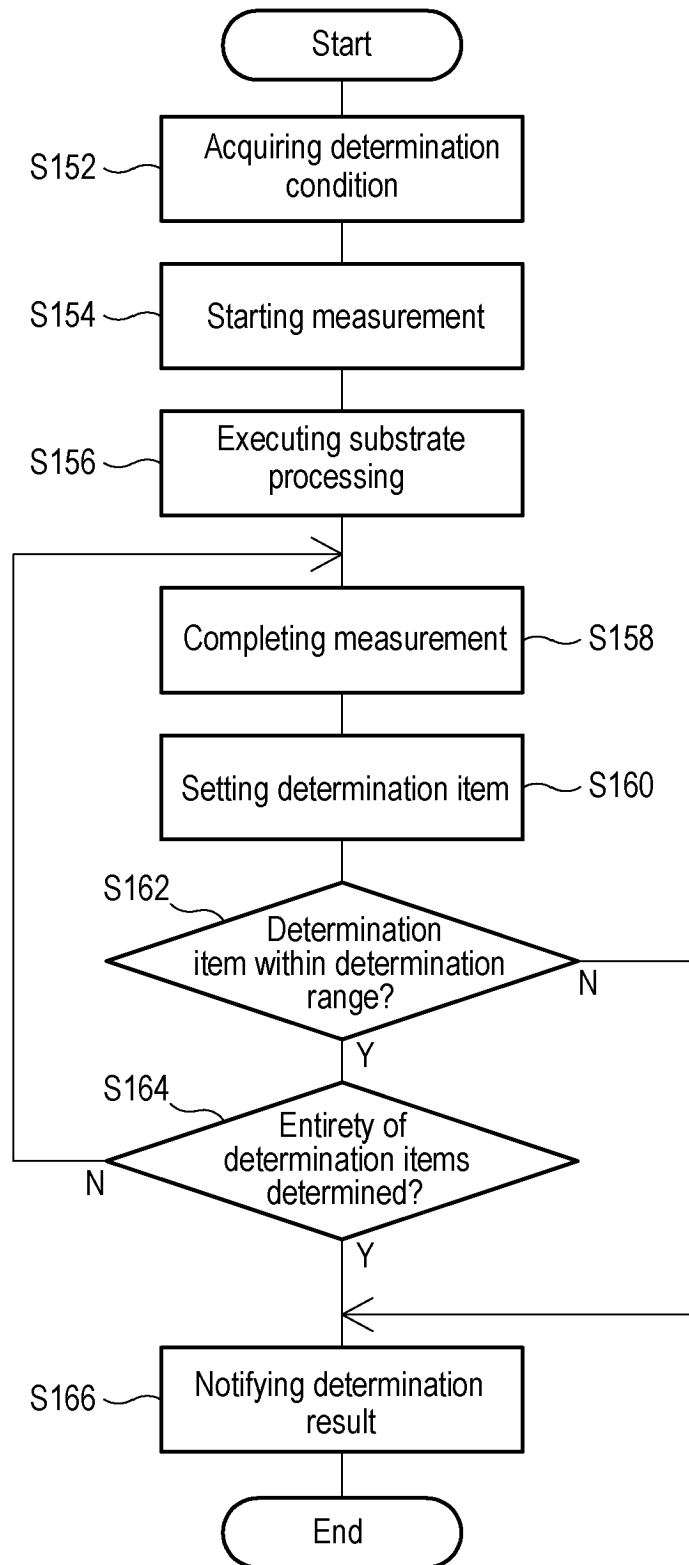


FIG. 9A

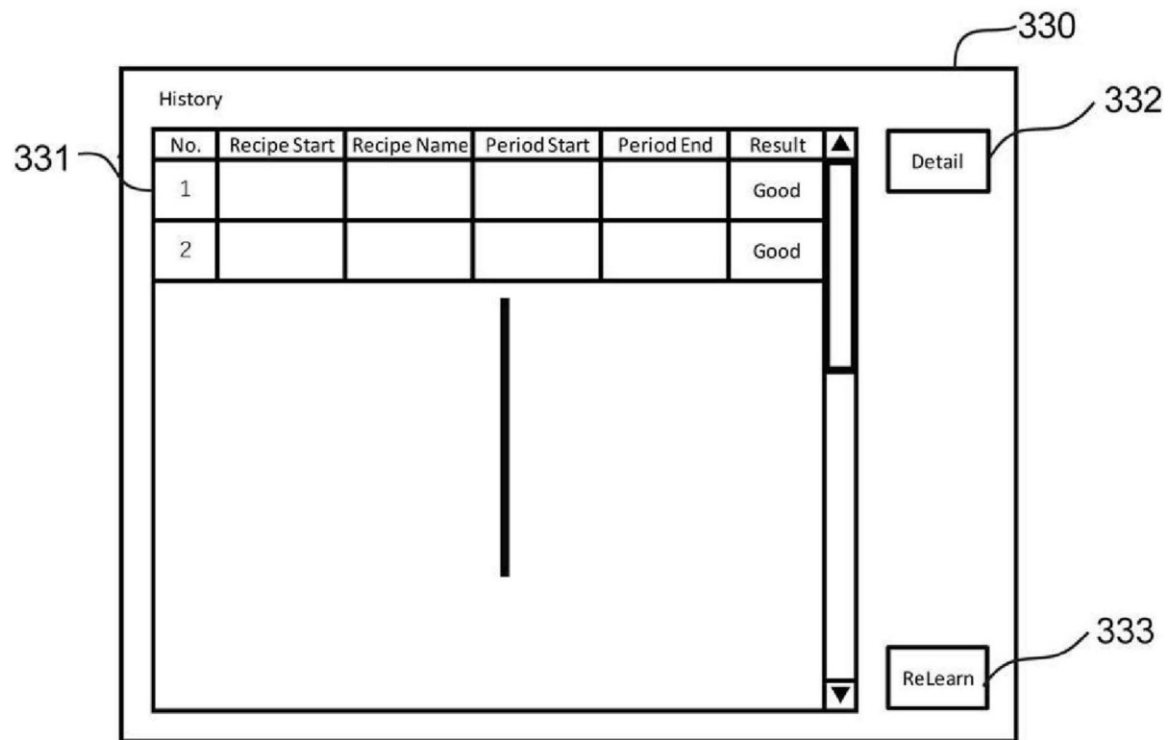


FIG. 9B

340

History

Recipe Start	Recipe Name	Period Start	Period End	Result
				Good

341

Detail

342

Diagnosis Condition

Sensor Name	Step Name	Loop Count

Check Item Result

Check Item Name	Result

Learning

Status	Count	Required Count

Flow Stability Time

Passing Value	Upper	Lower	Result Value

Total Charge Flow

Passing Value	Upper	Lower	Result Value

Step Start Flow

Passing Value	Upper	Lower	Result Value

Split Change Flows

Passing Value	Upper	Lower	Result Value

343

Close