

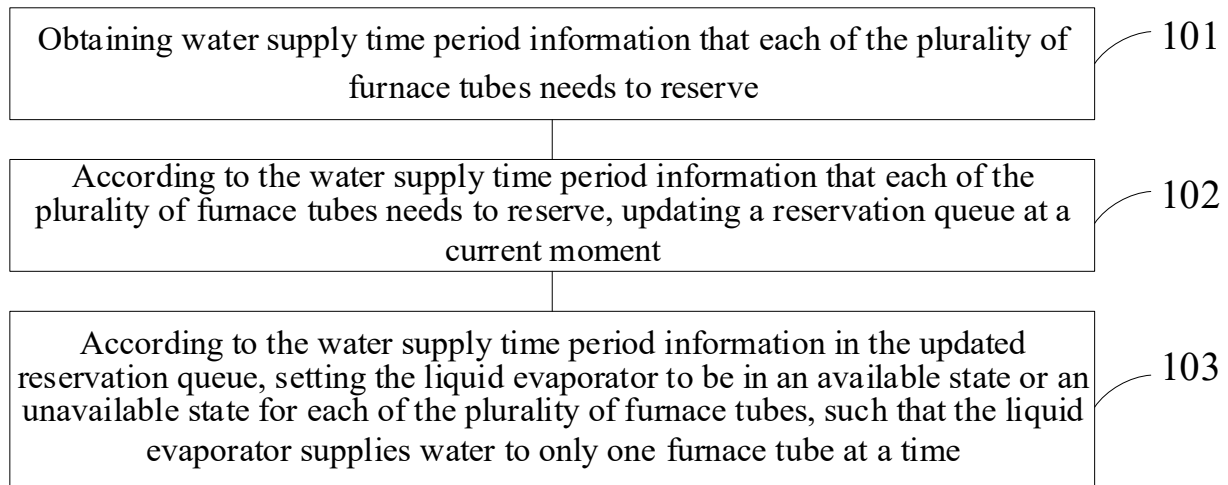


FIG. 1

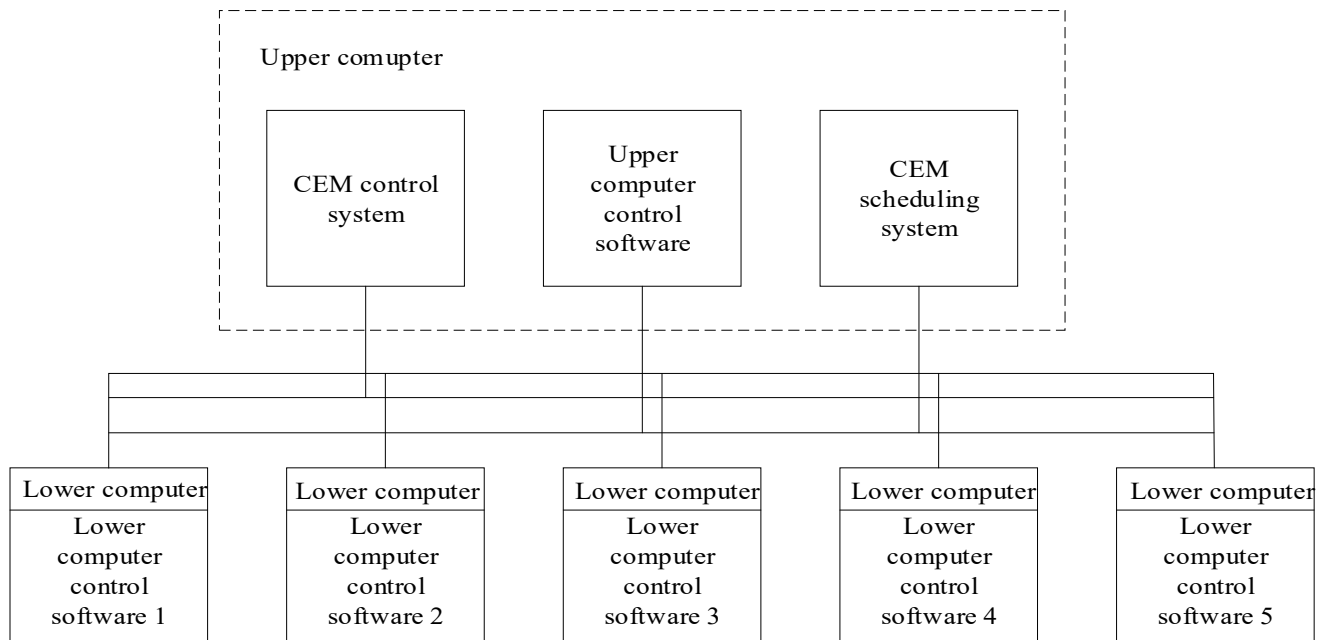


FIG. 2

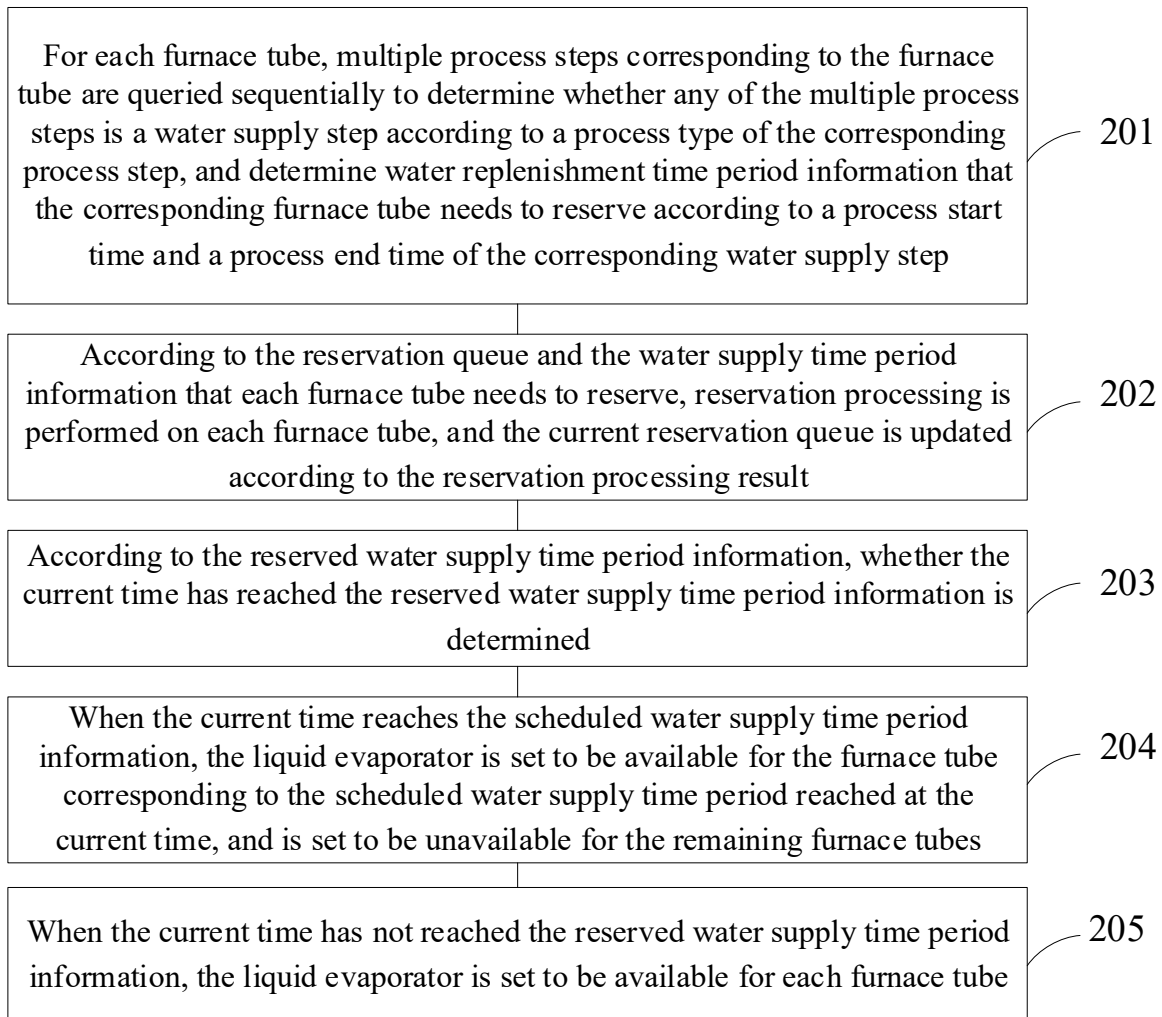


FIG. 3

Process step	Process type	Process duration (s)	Start time (s)	End time (s)
1	no water supply	60	0	60
2	no water supply	60	60	120
3	water supply	600	120	720
4	no water supply	480	720	1200
5	no water supply	300	1200	1500
6	water supply	300	1500	1800
7	no water supply	1200	1800	3000

FIG. 4

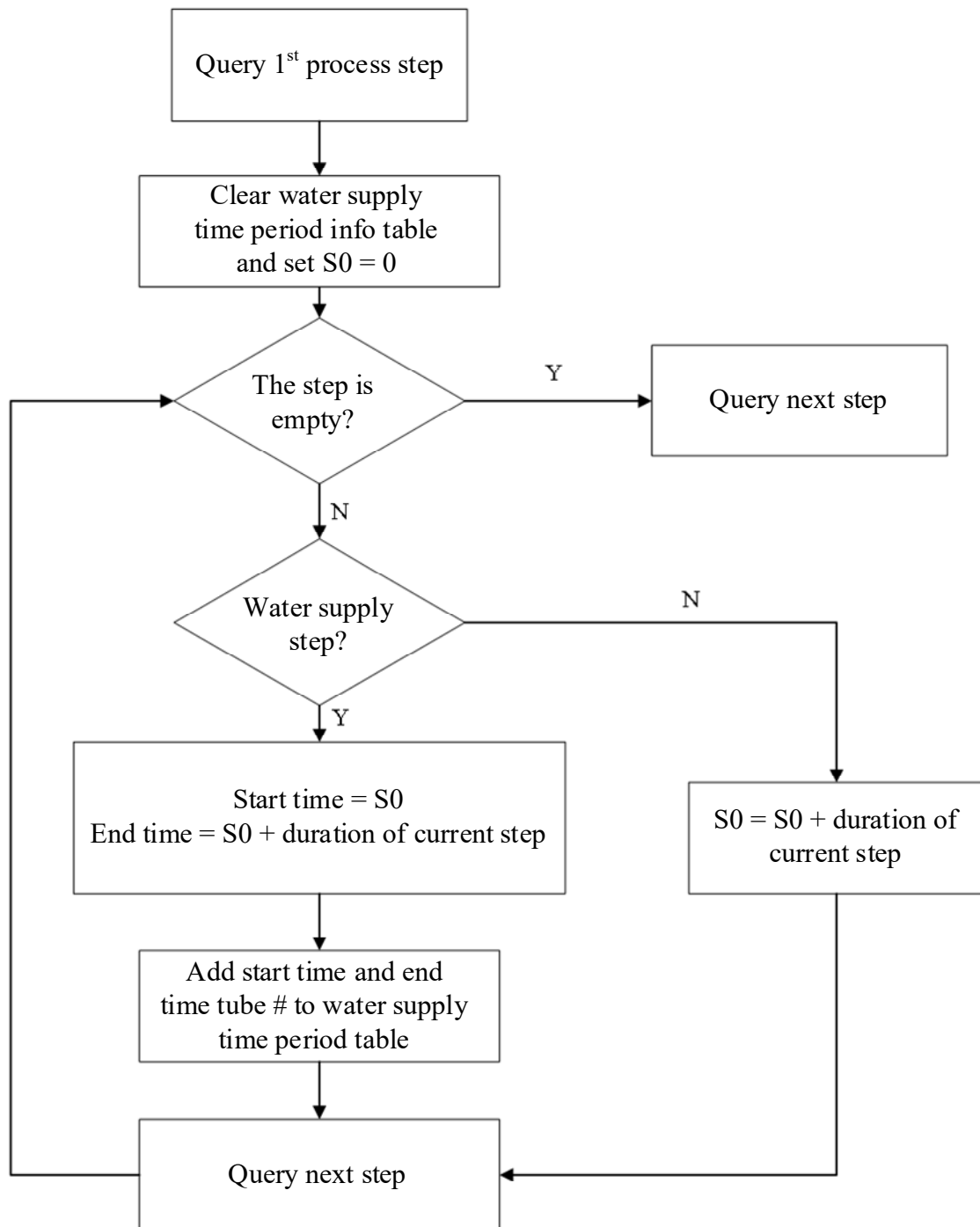


FIG. 5

Furnace tube #	Start time (s)	End time (s)
1	120	720
1	1500	1800

FIG. 6

Furnace tube #	Start time (s)	End time (s)
1	120	720
4	900	1200
1	1500	1800
3	2000	2600

FIG. 7

Furnace tube #	Start time (s)	End time (s)
1	90	690
4	870	1170
1	1470	1770
3	1970	2570

FIG. 8

Furnace tube #	Start time (s)	End time (s)
4	870	1170
3	1970	2570

FIG. 9

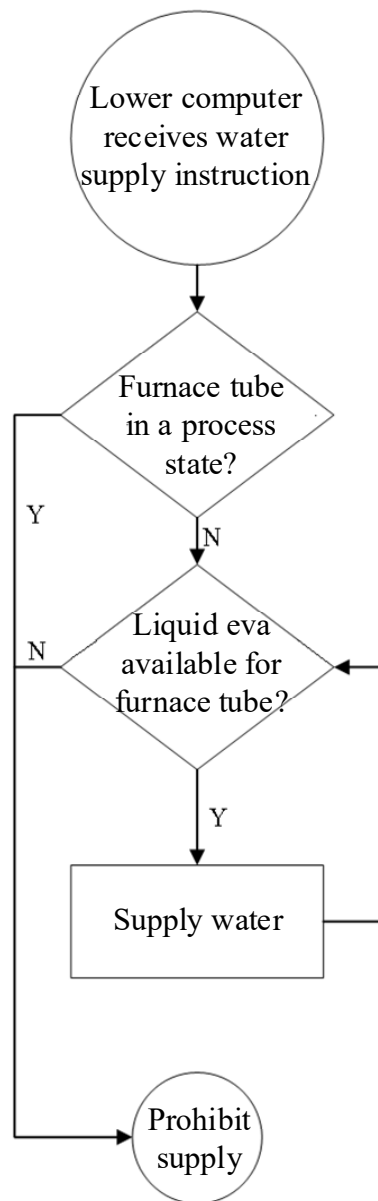


FIG. 10

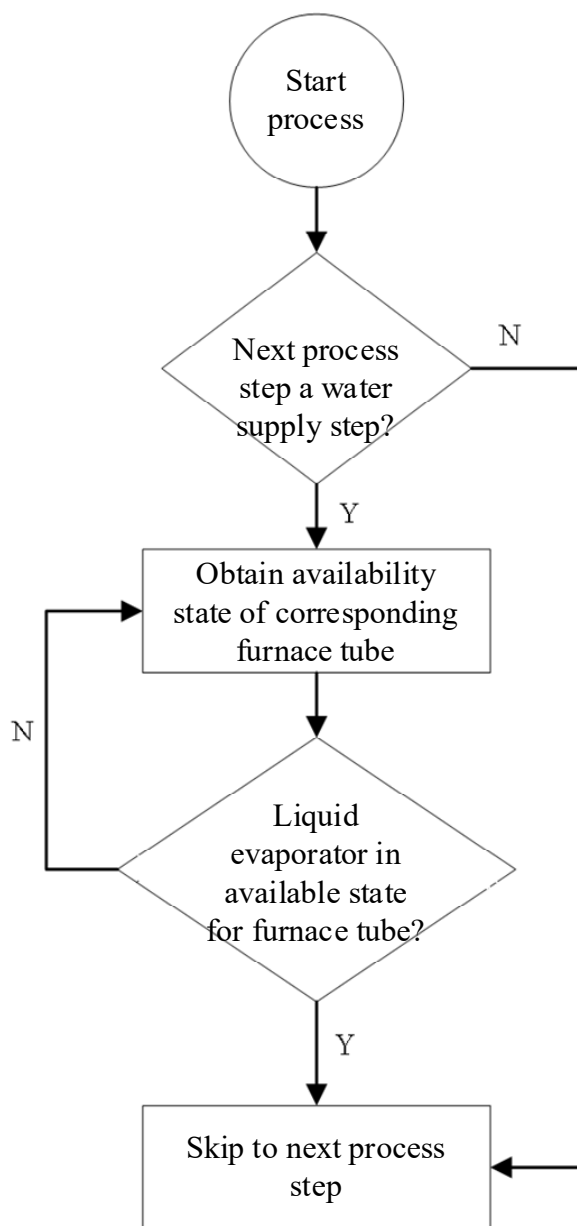


FIG. 11

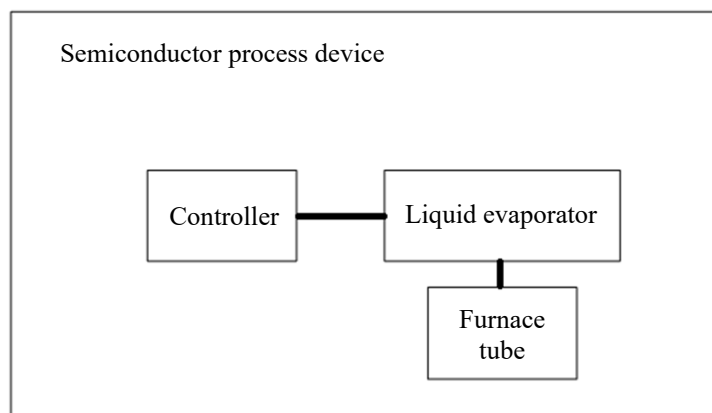


FIG. 12

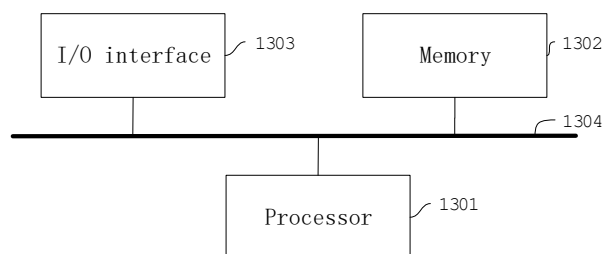


FIG. 13