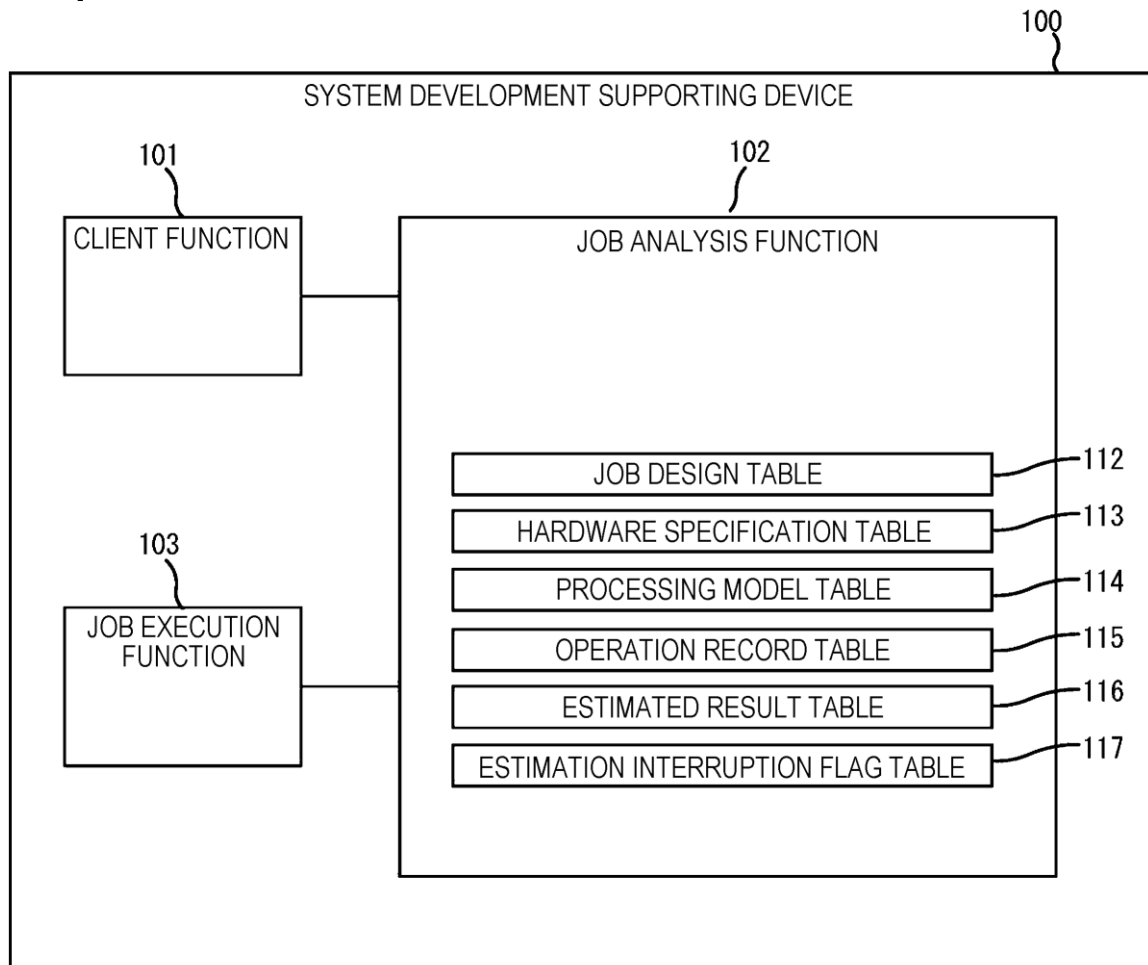
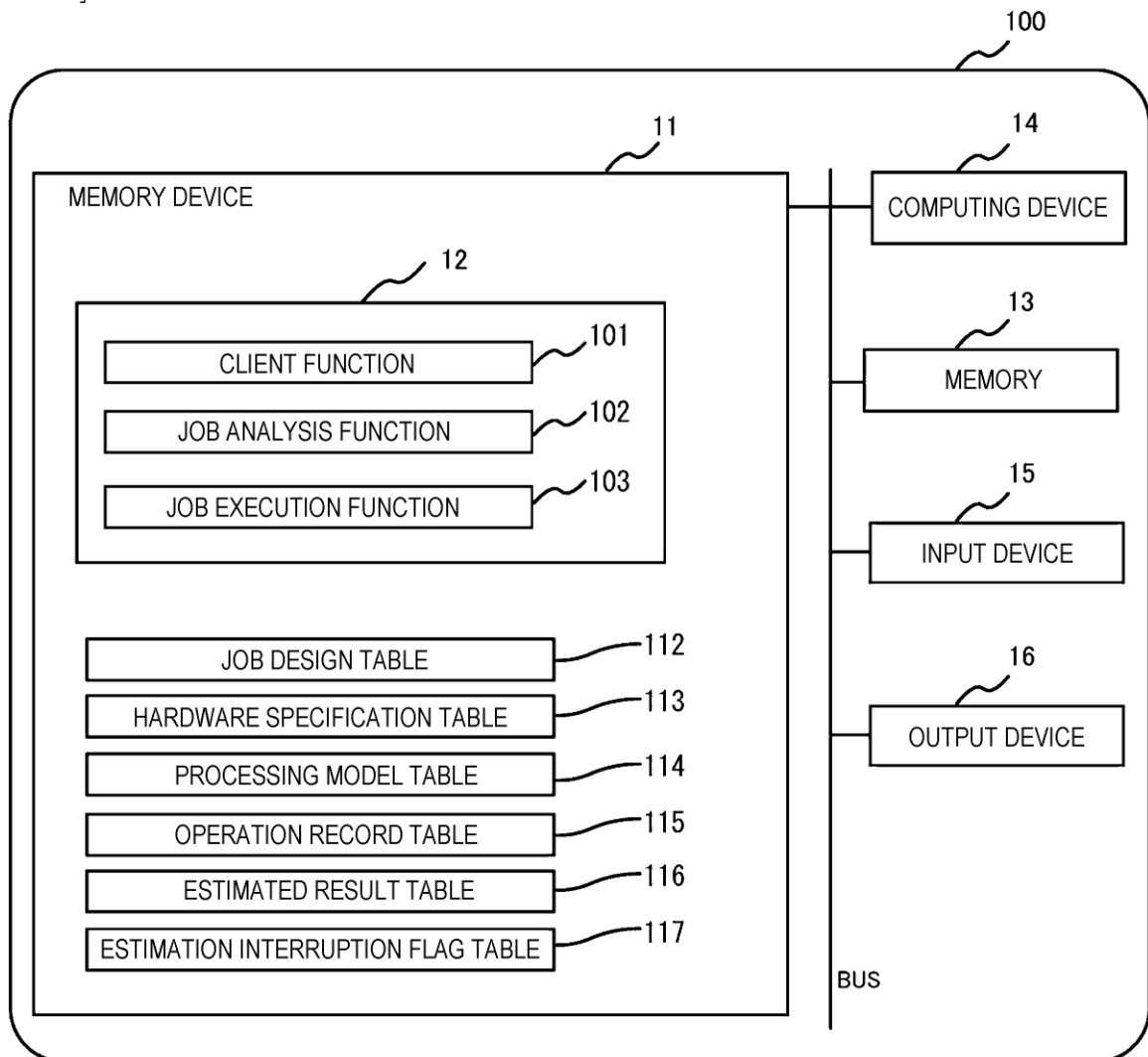


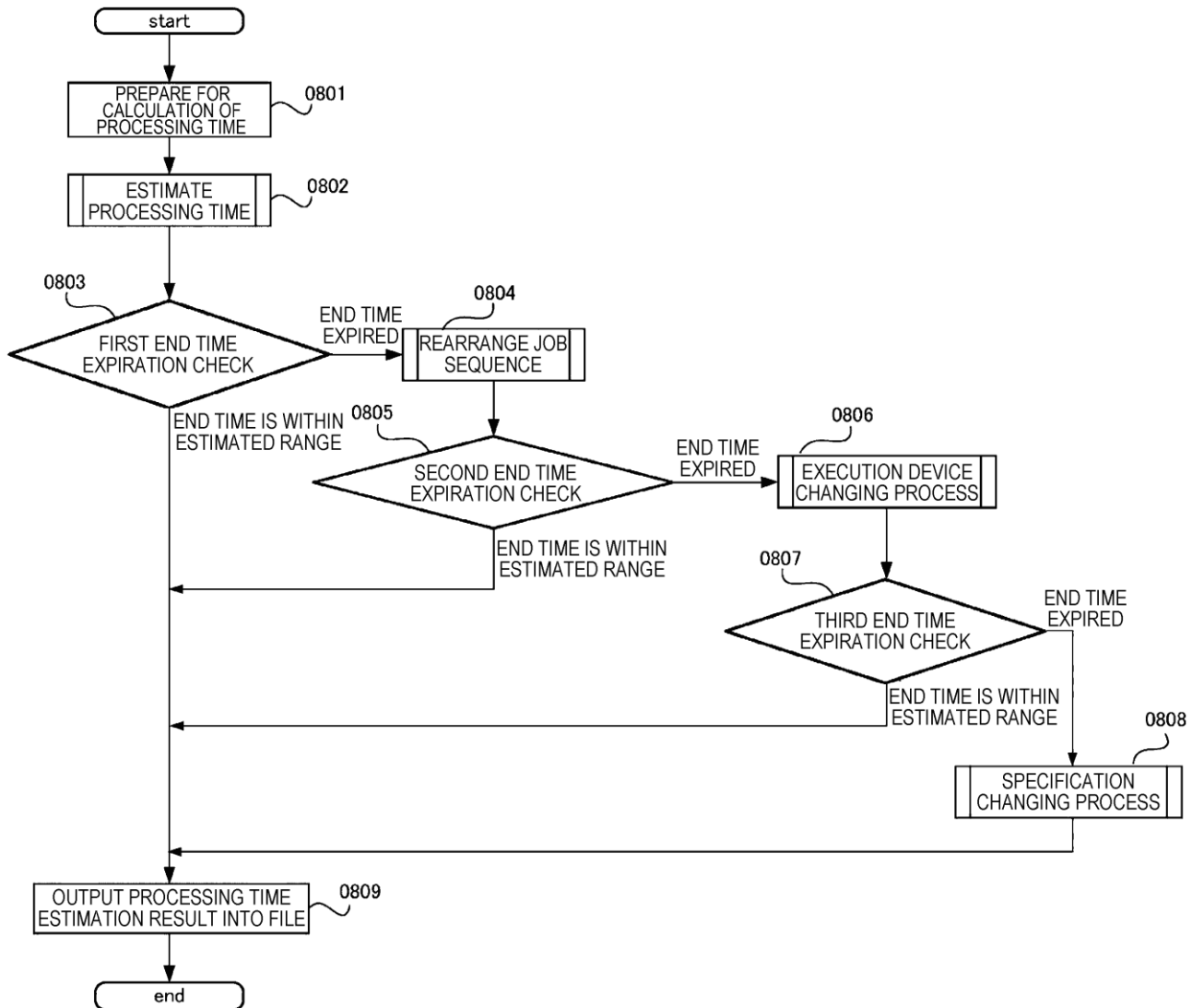
[FIG. 1]



[FIG. 2]



[FIG. 3]



[FIG. 4]

JOB DESIGN TABLE

112

11201	11202	11203	11204	11205	11206	11207	11208
OPERATION ID	LAYER	OPERATION NAME	SCHEDULED START TIME	SCHEDULED END TIME	PRECEDING JOB	PREREQUISITE JOB	NUMBER OF PIECES OF DATA
1	1	AGGREGATION PROCESS	17:00	20:00	-	-	1000
1-1	2	RECEIVE FILE A	-	-	-	-	700
1-2	2	RECEIVE FILE B	-	-	1-1	-	300
1-3	2	AGGREGATE DATA	-	-	1-2	1-1	1000
:	:	:	:	:	:	:	:

11209	11210	11211	11212
RECORD SIZE	EXECUTION DEVICE	PROCESSING MODEL	DEGREE OF INFLUENCE AT TIME OF REARRANGING SEQUENCE
200	C	(1)ANALYZE	1
200	C	(6)RECEIVE FILE	1
200	C	(6)RECEIVE FILE	0
200	C	(2)COMPUTE	0
:	:	:	:

[FIG. 5]

HARDWARE SPECIFICATION TABLE

113

11301 11302 11303 11304 11305

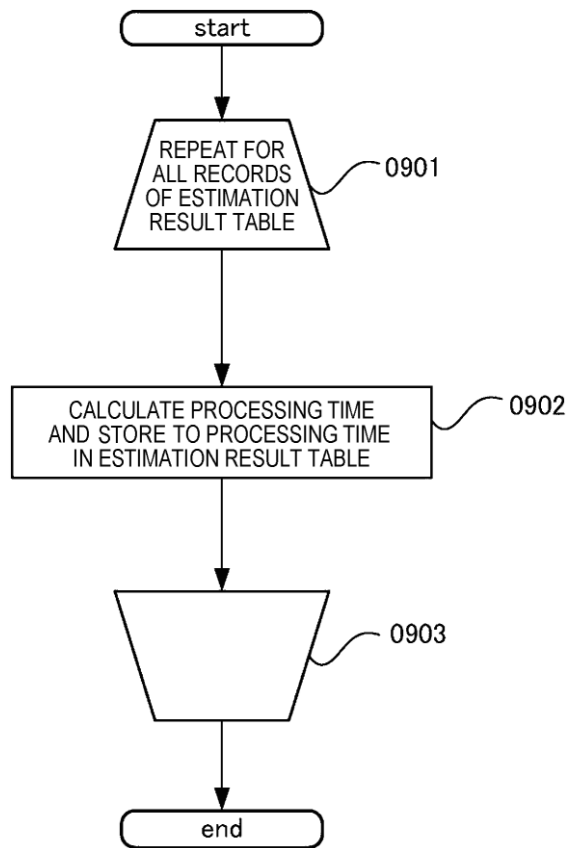
EXECUTION DEVICE	TYPE OF DEVICE	CPU PERFORMANCE (CPU PERFORMANCE INDEX VALUE LIKE SPECint_rate)	I/O PERFORMANCE (IOPS)	PRIORITY AT TIME OF CHANGING EXECUTION DEVICE
A	AP	1000	400	1
B	AP	500	600	2
C	AP	400	500	3
:	:	:	:	:

[FIG. 6]

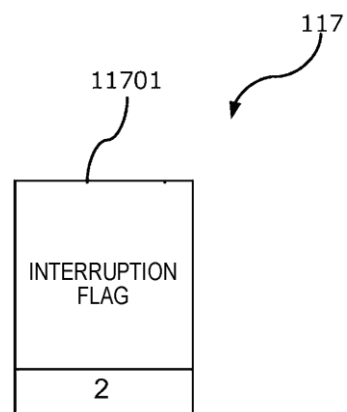
PROCESSING MODEL TABLE								
OPERATION ID	LAYER	OPERATION NAME	SCHEDULED START TIME	SCHEDULED END TIME	PROCESS-ING TIME	PRECED-ING JOB	PREREQUISITE JOB	NUMBER OF PIECES OF DATA
1	1	AGGREGATION PROCESS	17:00	20:10	190	-	-	1000
1-1	2	RECEIVE FILE A	17:00	17:40	40	-	-	700
1-2	2	RECEIVE FILE B	17:40	18:40	60	1-1	-	300
1-3	2	AGGREGATE DATA	18:40	20:10	90	1-2	1-1	1000
:	:	:	:	:	:	:	:	:

RECORD SIZE	EXECUTION DEVICE	CPU PERFORMANCE (CPU PERFORMANCE INDEX VALUE LIKE SPECint_rate)	I/O PERFORMANCE (IOPS)	PROCESSING MODEL
200	C	400	500	(1)ANALYZE
200	C	400	500	(6)RECEIVE FILE
200	C	400	500	(6)RECEIVE FILE
200	C	400	500	(2)COMPUTE
:	:	:	:	:

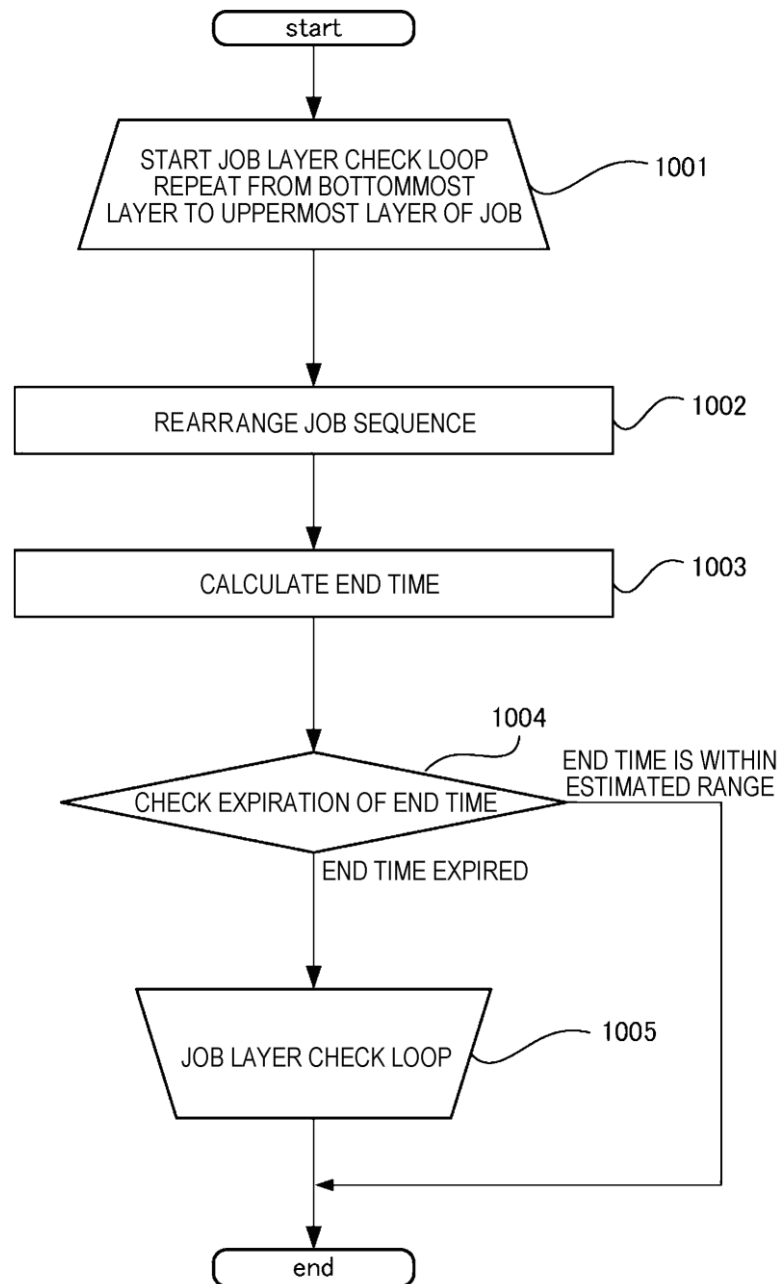
[FIG. 7]



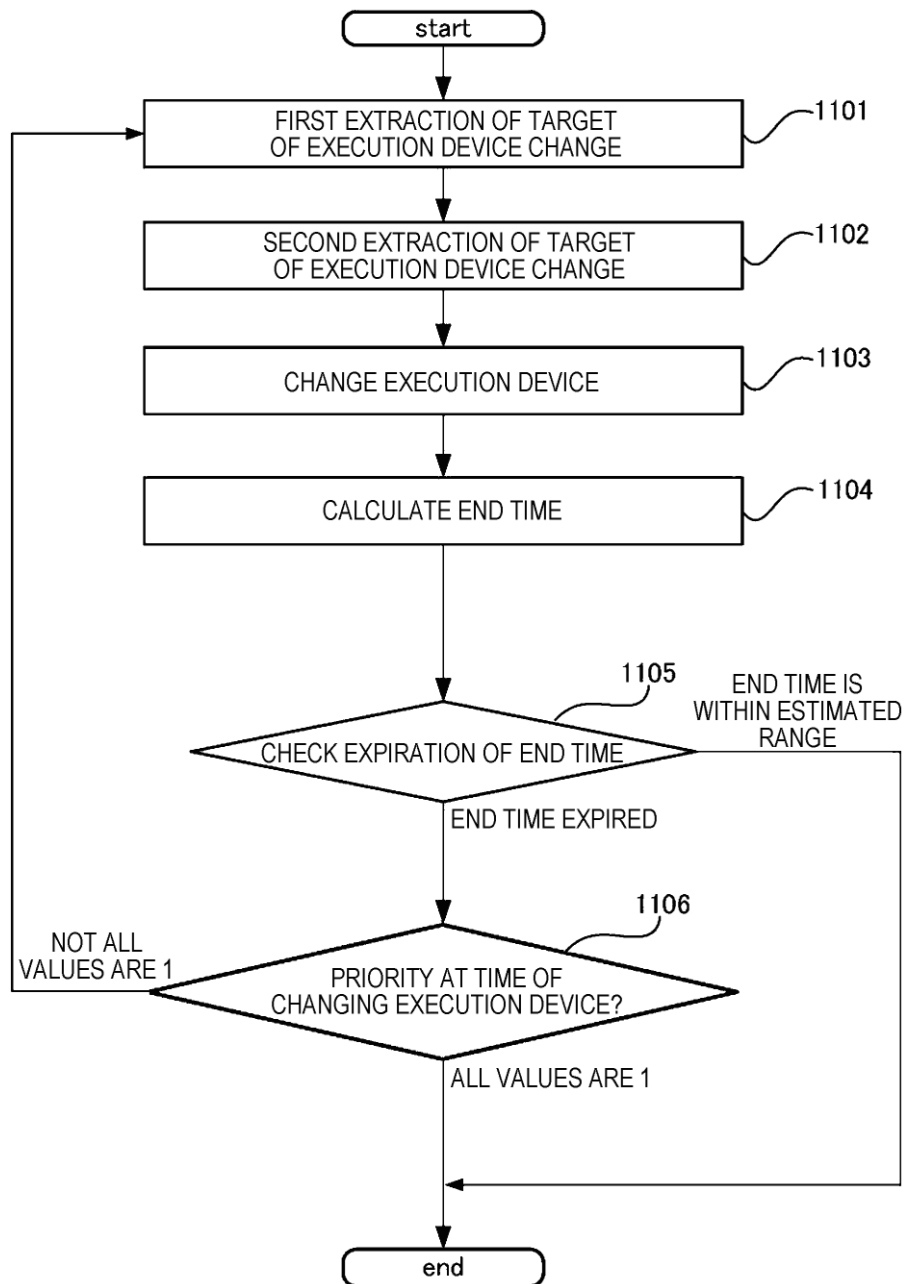
[FIG. 8]

ESTIMATION INTERRUPTION FLAG TABLE

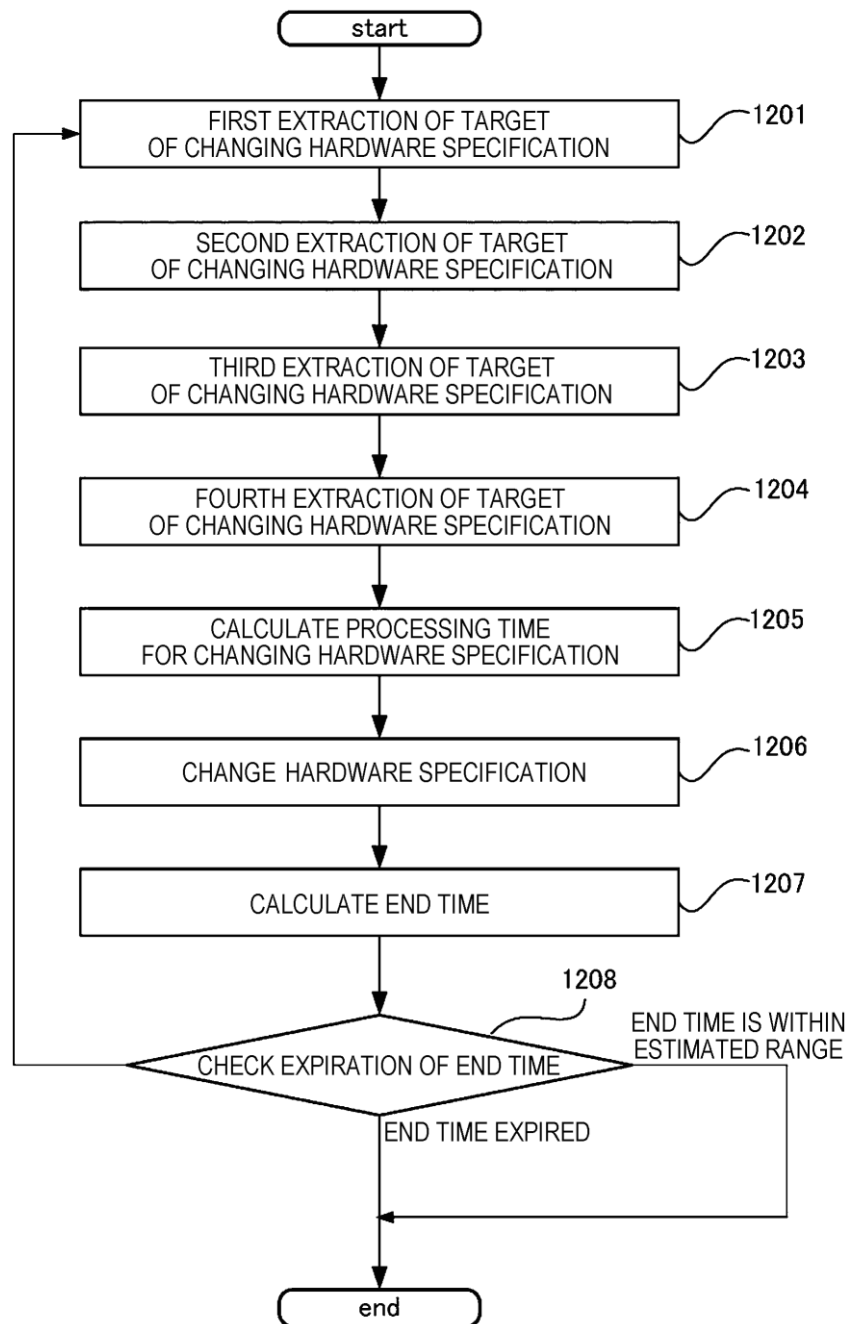
[FIG. 9]



[FIG. 10]



[FIG. 11]



[FIG. 12]

PROCESSING MODEL TABLE

11401

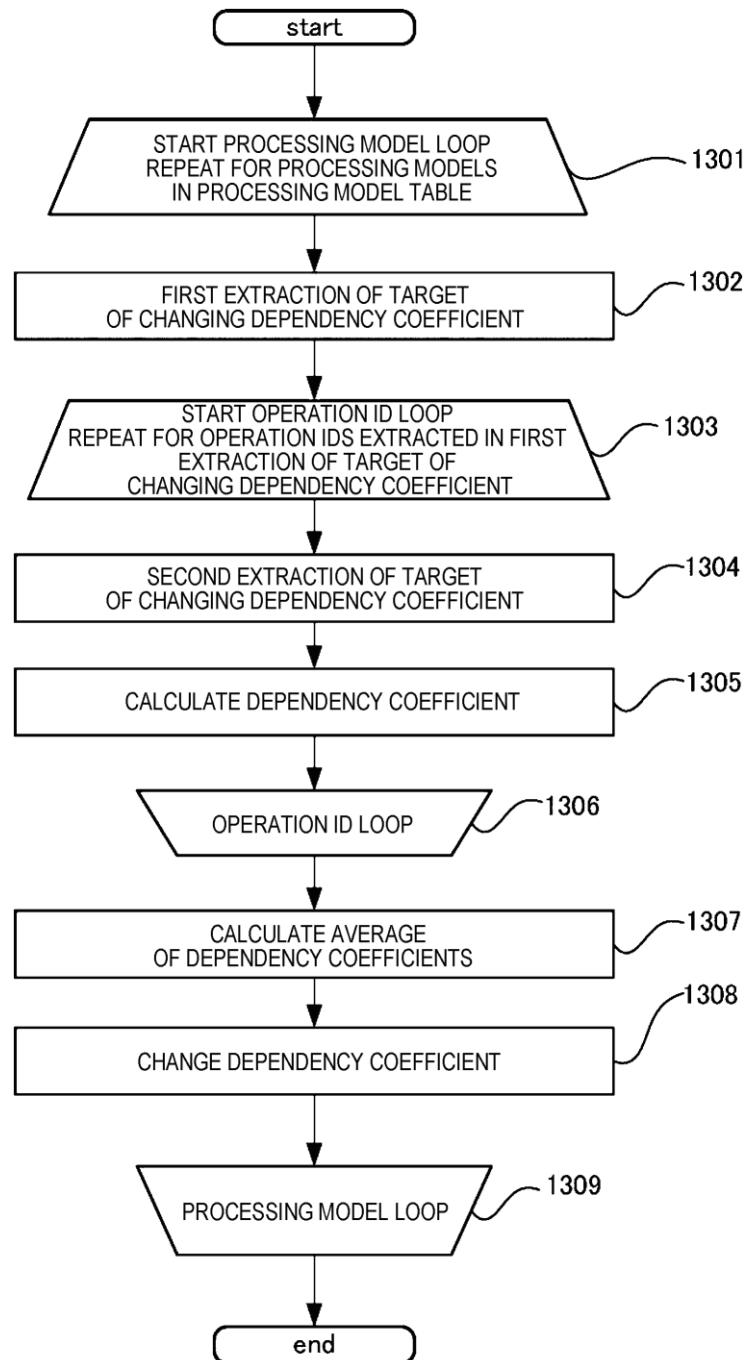
11402

11403

114

PROCESSING MODEL	CPU PERFORMANCE DEPENDENCY COEFFICIENT	I/O PERFORMANCE DEPENDENCY COEFFICIENT
(1)ANALYZE	0.8	0
(2)COMPUTE	0.6	0
(3)COMPRESS	1.0	0.8
⋮	⋮	⋮

[FIG. 13]



[FIG. 14]

115

OPERATION RECORD TABLE

11501	11502	11503	11504	11505	11506	11507
DAYS OF OPERATION	OPERATION ID	OPERATION NAME	START TIME	END TIME	PROCESSING TIME	NUMBER OF PIECES OF DATA
YYYYMMDD	1	AGGREGATION PROCESS	17:00	17:20	20	-
YYYYMMDD	1-1	RECEIVE FILE A	17:00	17:10	10	1000
YYYYMMDD	1-2	RECEIVE FILE B	17:10	17:15	05	300
⋮	⋮	⋮	⋮	⋮	⋮	⋮

11508	11509	11510	11511
RECORD SIZE	EXECUTION DEVICE	CPU PERFORMANCE (CPU PERFORMANCE INDEX VALUE LIKE SPECint_rate)	I/O PERFORMANCE (IOPS)
-	-	-	-
200	C	400	500
200	C	400	500
⋮	⋮	⋮	⋮