FIG. 1

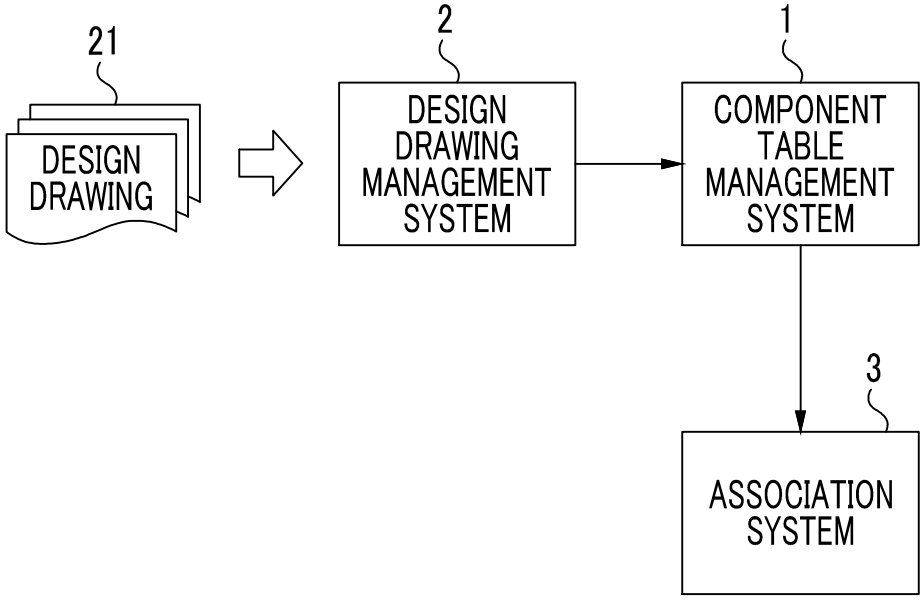

21
DESIGN DRAWING
2
DESIGN DRAWING MANAGEMENT SYSTEM
1
COMPONENT TABLE MANAGEMENT SYSTEM
3
ASSOCIATION SYSTEM

FIG. 2

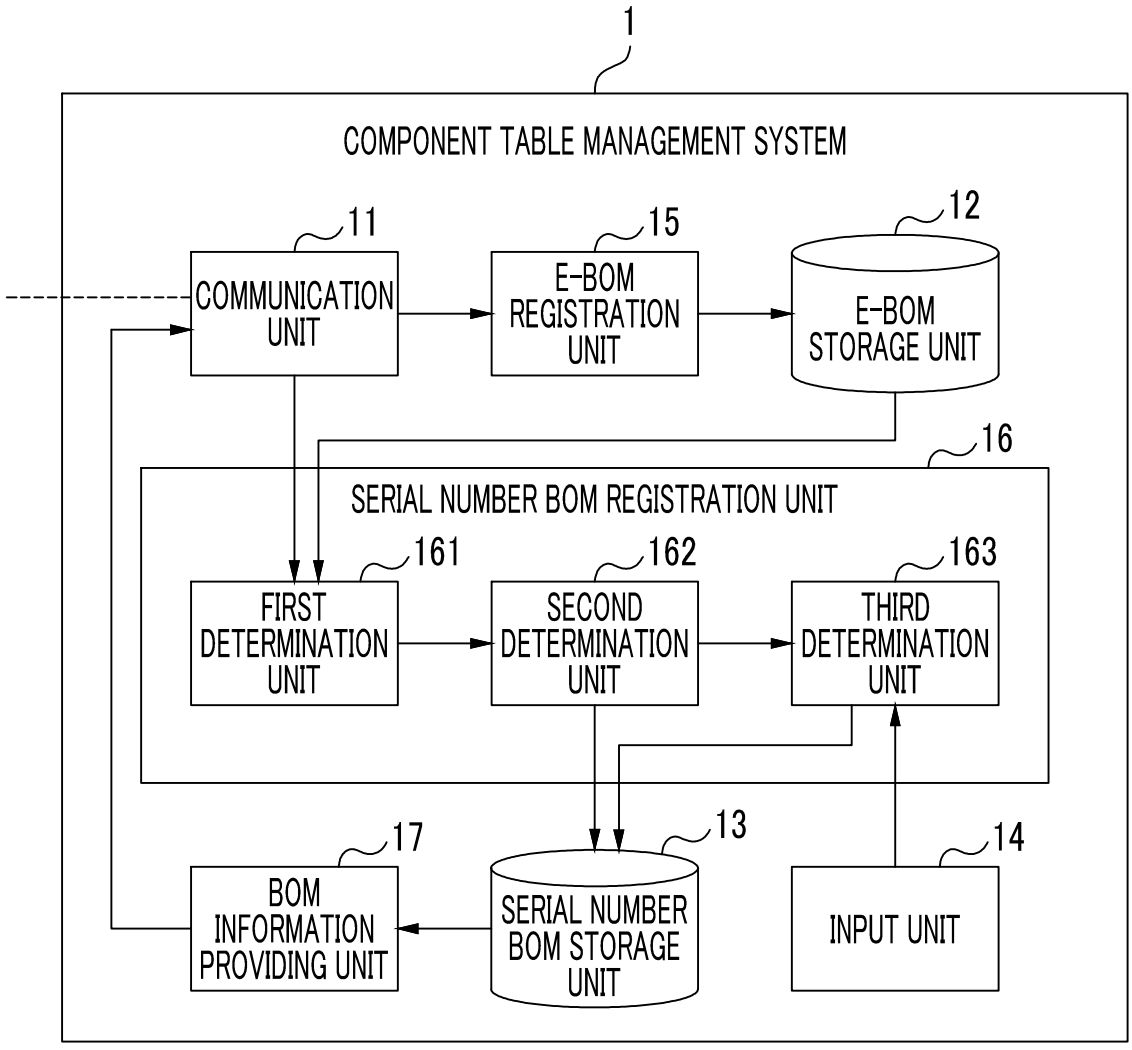

1
COMPONENT TABLE MANAGEMENT SYSTEM
11
COMMUNICATION UNIT
15
E-BOM REGISTRATION UNIT
12
E-BOM STORAGE UNIT
16
SERIAL NUMBER BOM REGISTRATION UNIT
161
FIRST DETERMINATION UNIT
162
SECOND DETERMINATION UNIT
163
THIRD DETERMINATION UNIT
17
BOM INFORMATION PROVIDING UNIT
13
SERIAL NUMBER BOM STORAGE UNIT
14
INPUT UNIT

FIG. 3A

1211

PRODUCT NUMBER	PRODUCT NAME	MATERIAL	WEIGHT	...
D1	aaaa	A	50	...
D2	bbbb	B	40	...
D3	cccc	C	5	...
D4	dddd	D	10	...
D5	eeee	E	10	...
...	...	...	...	...

FIG. 3B

1212

MASTER PRODUCT NUMBER	SLAVE PRODUCT NUMBER	NUMBER OF PARTS
D1	D2	1
D1	D3	2
D2	D5	4
...	...	...

FIG. 4A

1311

UPDATE DEADLINE
MM/DD/YYYY

FIG. 4B

1312

PRODUCT NUMBER	DRAWING VERSION NUMBER	PRODUCT NAME	MATERIAL	WEIGHT	...
D1	1.0	aaaa	A	50	...
D2	1.0	bbbb	B	40	...
D2	1.1	bbbb	B	40	...
D3	1.0	cccc	C	5	...
D3	1.1	cccc	C	5	...
D4	1.0	dddd	D	10	...
D5	1.0	eeee	E	10	...
...	...	...	...	...	...

FIG. 4C

1313

MASTER PRODUCT NUMBER	SLAVE PRODUCT NUMBER	SLAVE DRAWING VERSION NUMBER	NUMBER OF PARTS
D1	D2	1.1	1
D1	D3	1.1	2
D2	D5	1.0	4
...	...	...	...

FIG. 5

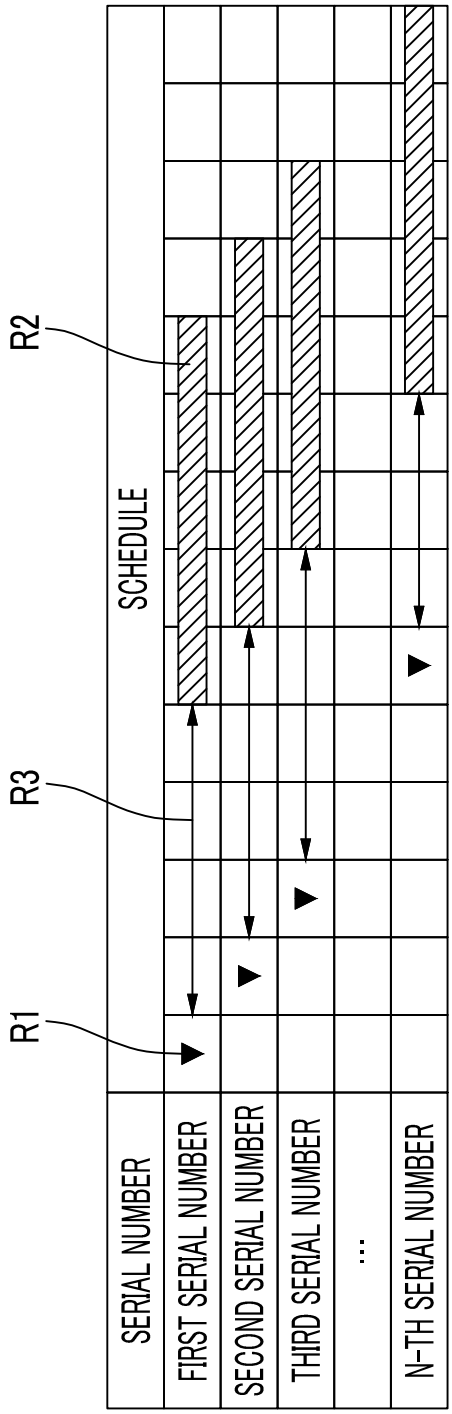

SERIAL NUMBER
SCHEDULE
FIRST SERIAL NUMBER
SECOND SERIAL NUMBER
THIRD SERIAL NUMBER
...
N-TH SERIAL NUMBER
R1
R2
R3

FIG. 6

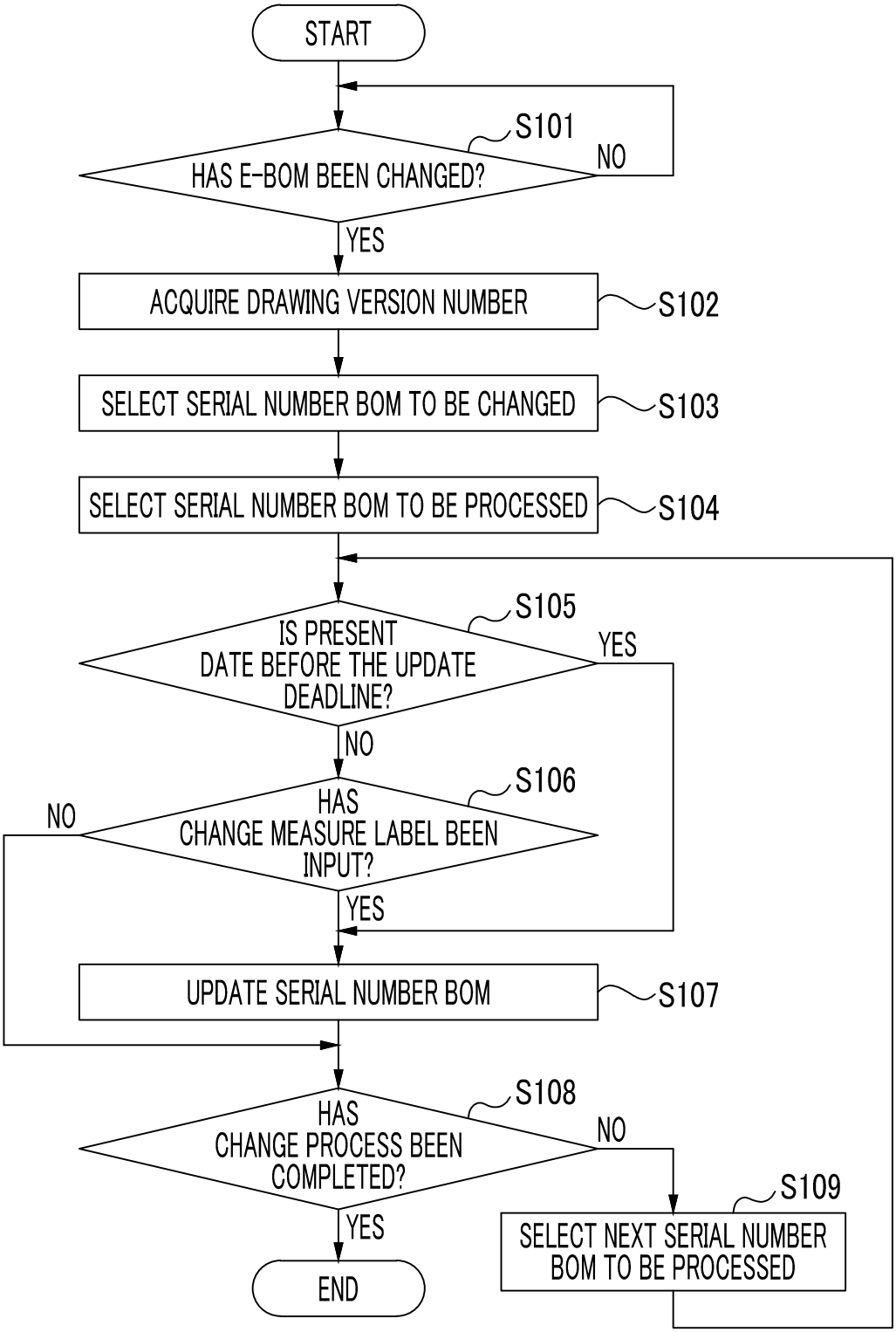

START
S101
HAS E-BOM BEEN CHANGED?
NO
YES
ACQUIRE DRAWING VERSION NUMBER
S102
SELECT SERIAL NUMBER BOM TO BE CHANGED
S103
SELECT SERIAL NUMBER BOM TO BE PROCESSED
S104
S105
IS PRESENT DATE BEFORE THE UPDATE DEADLINE?
YES
NO
S106
HAS CHANGE MEASURE LABEL BEEN INPUT?
NO
YES
UPDATE SERIAL NUMBER BOM
S107
S108
HAS CHANGE PROCESS BEEN COMPLETED?
NO
YES
S109
SELECT NEXT SERIAL NUMBER BOM TO BE PROCESSED
END

FIG. 7

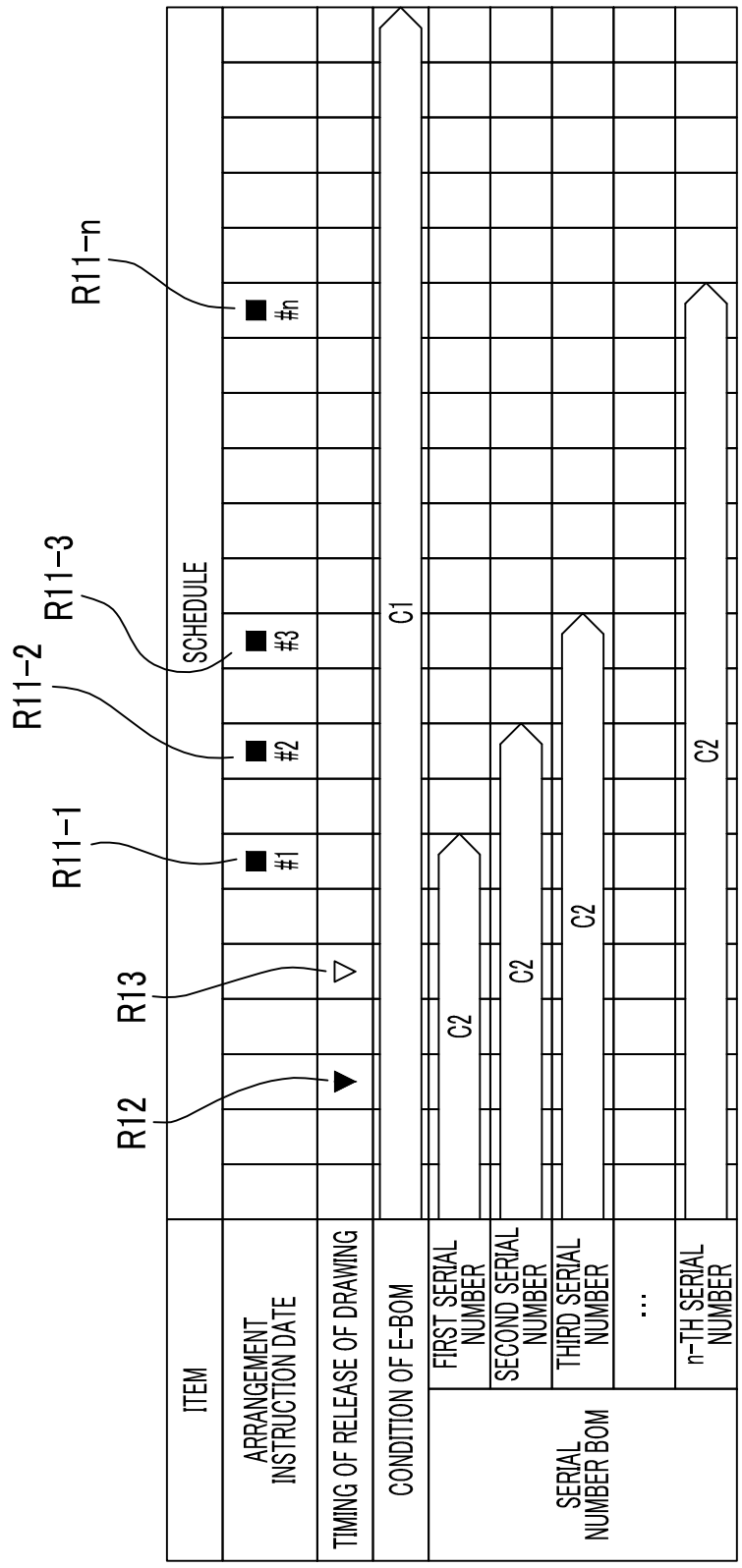
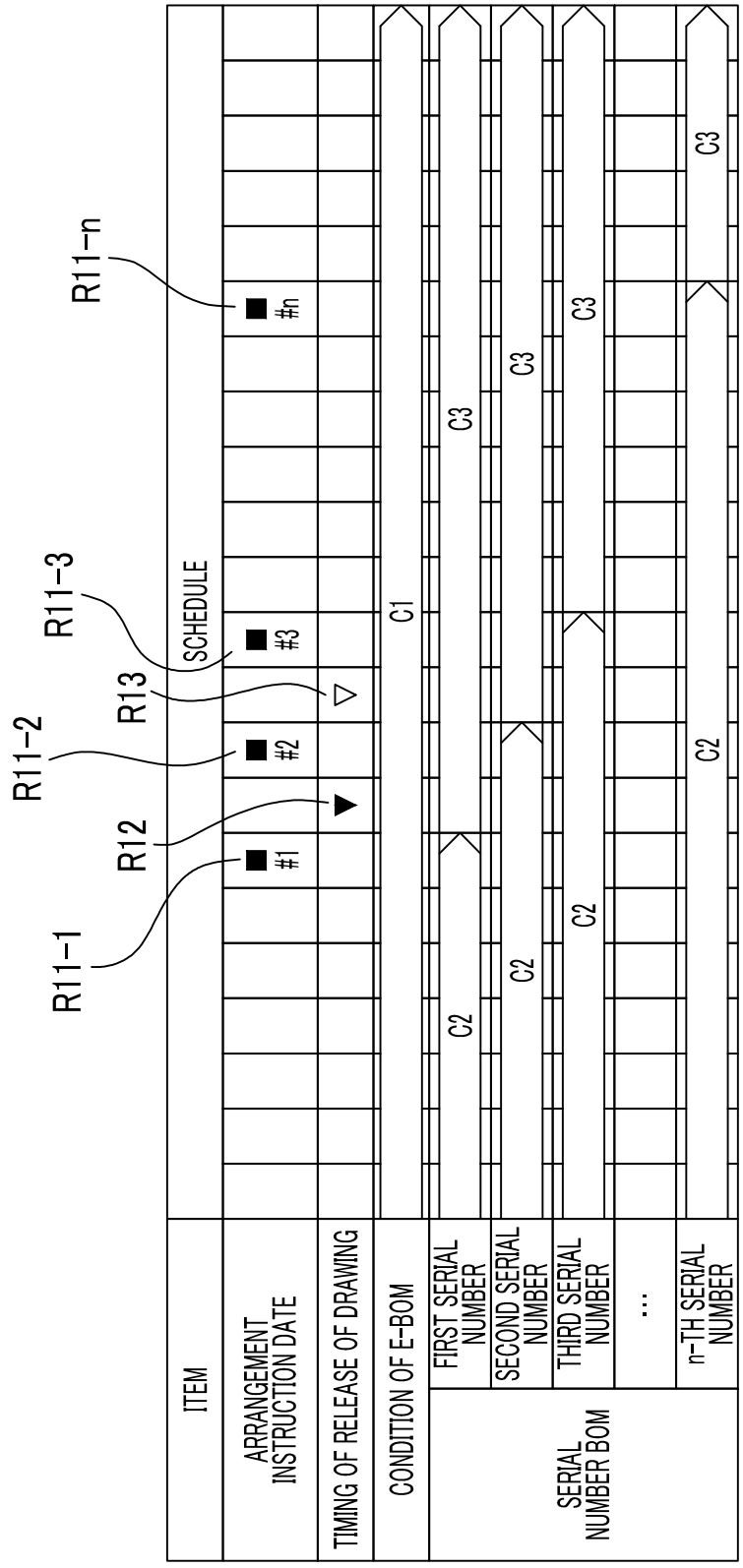

ITEM
ARRANGEMENT INSTRUCTION DATE
TIMING OF RELEASE OF DRAWING
CONDITION OF E-BOM
SERIAL NUMBER BOM
FIRST SERIAL NUMBER
SECOND SERIAL NUMBER
THIRD SERIAL NUMBER
...
n-TH SERIAL NUMBER
SCHEDULE
#1
#2
#3
#n
C1
C2
C2
C2
C2
R11-1
R11-2
R11-3
R11-n
R12
R13

FIG. 8


ITEM
ARRANGEMENT INSTRUCTION DATE
TIMING OF RELEASE OF DRAWING
CONDITION OF E-BOM
SERIAL NUMBER BOM
FIRST SERIAL NUMBER
SECOND SERIAL NUMBER
THIRD SERIAL NUMBER
...
n-TH SERIAL NUMBER
SCHEDULE
#1
#2
#3
#n
C1
C2
C3
R11-1
R11-2
R11-3
R11-n
R12
R13