FIG. 1

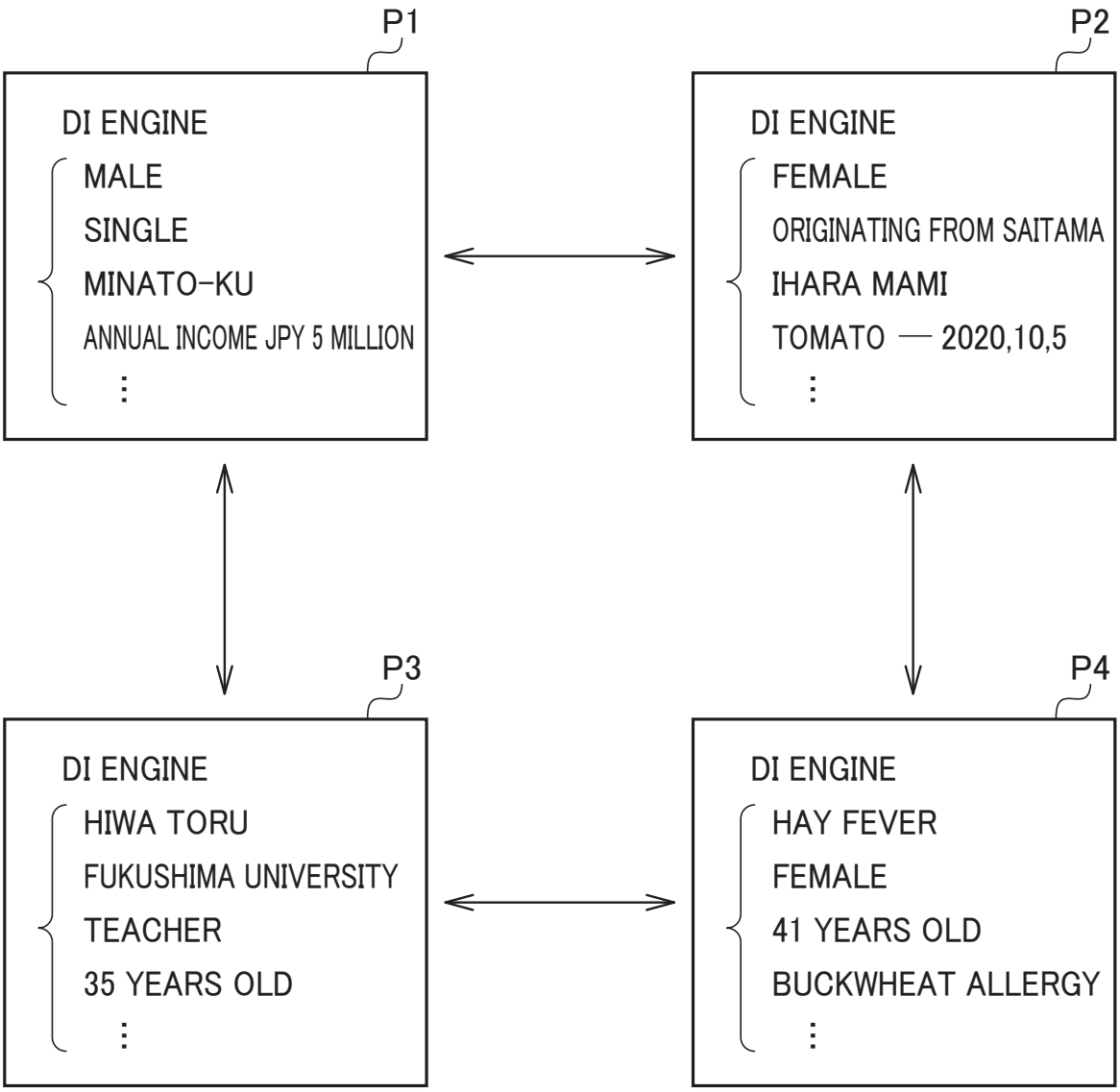

P1
DI ENGINE
MALE
SINGLE
MINATO-KU
ANNUAL INCOME JPY 5 MILLION
⋮
P2
DI ENGINE
FEMALE
ORIGINATING FROM SAITAMA
IHARA MAMI
TOMATO — 2020,10,5
⋮
P3
DI ENGINE
HIWA TORU
FUKUSHIMA UNIVERSITY
TEACHER
35 YEARS OLD
⋮
P4
DI ENGINE
HAY FEVER
FEMALE
41 YEARS OLD
BUCKWHEAT ALLERGY
⋮

FIG. 2

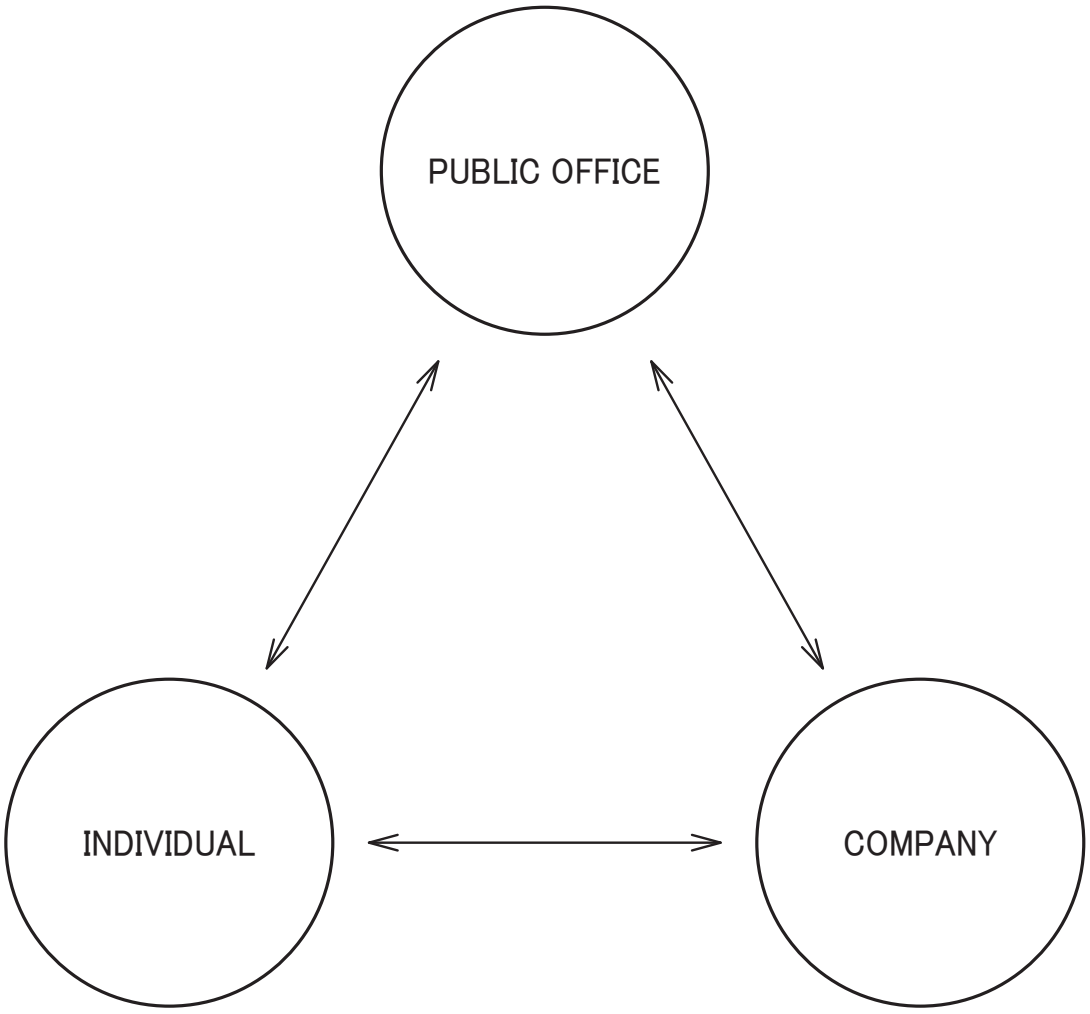


FIG. 3

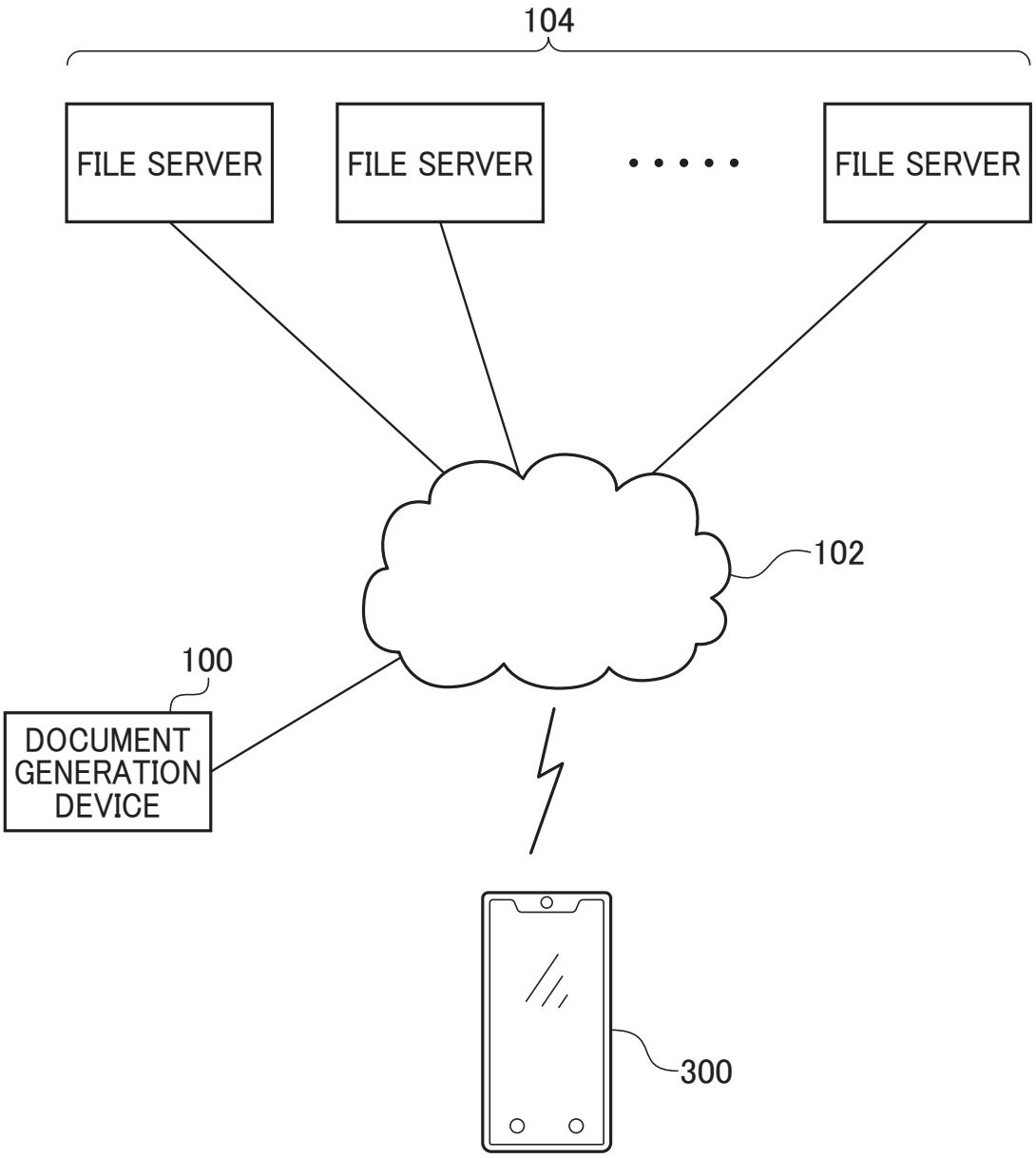
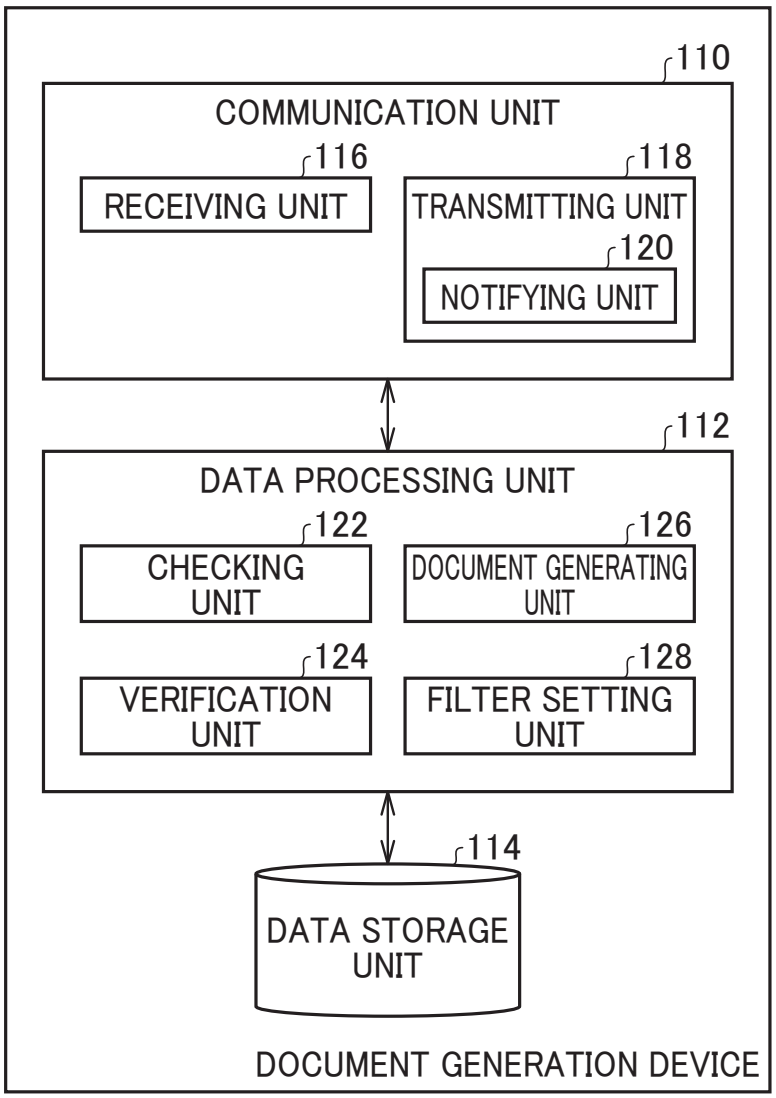
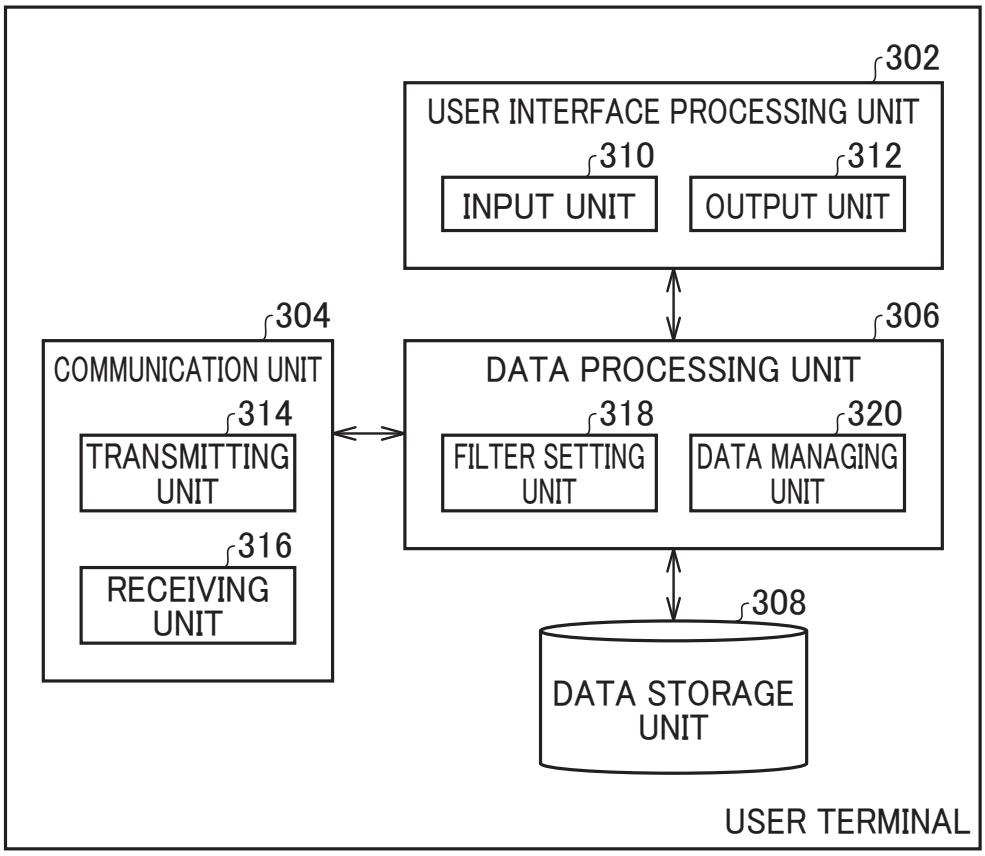

104
FILE SERVER
FILE SERVER
FILE SERVER
102
100
DOCUMENT GENERATION DEVICE
300
200

FIG. 4


110
COMMUNICATION UNIT
116
RECEIVING UNIT
118
TRANSMITTING UNIT
120
NOTIFYING UNIT
112
DATA PROCESSING UNIT
122
CHECKING UNIT
126
DOCUMENT GENERATING UNIT
124
VERIFICATION UNIT
128
FILTER SETTING UNIT
114
DATA STORAGE UNIT
DOCUMENT GENERATION DEVICE

100

FIG. 5


302
USER INTERFACE PROCESSING UNIT
310
INPUT UNIT
312
OUTPUT UNIT
304
COMMUNICATION UNIT
314
TRANSMITTING UNIT
316
RECEIVING UNIT
306
DATA PROCESSING UNIT
318
FILTER SETTING UNIT
320
DATA MANAGING UNIT
308
DATA STORAGE UNIT
USER TERMINAL

300

FIG. 6

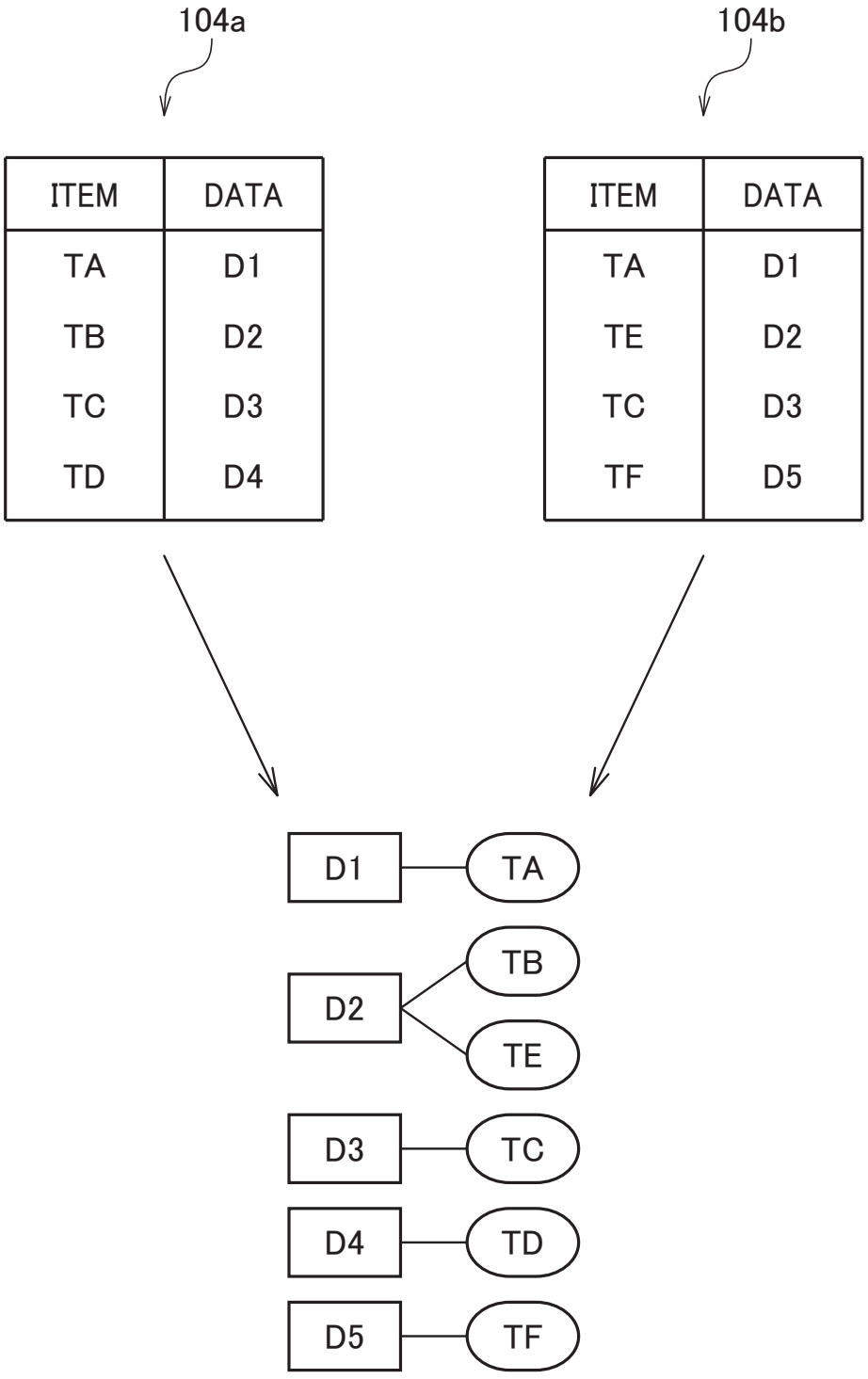

104a
104b
ITEM
DATA
TA
D1
TB
D2
TC
D3
TD
D4
ITEM
DATA
TA
D1
TE
D2
TC
D3
TF
D5
D1
TA
D2
TB
TE
D3
TC
D4
TD
D5
TF

FIG. 7

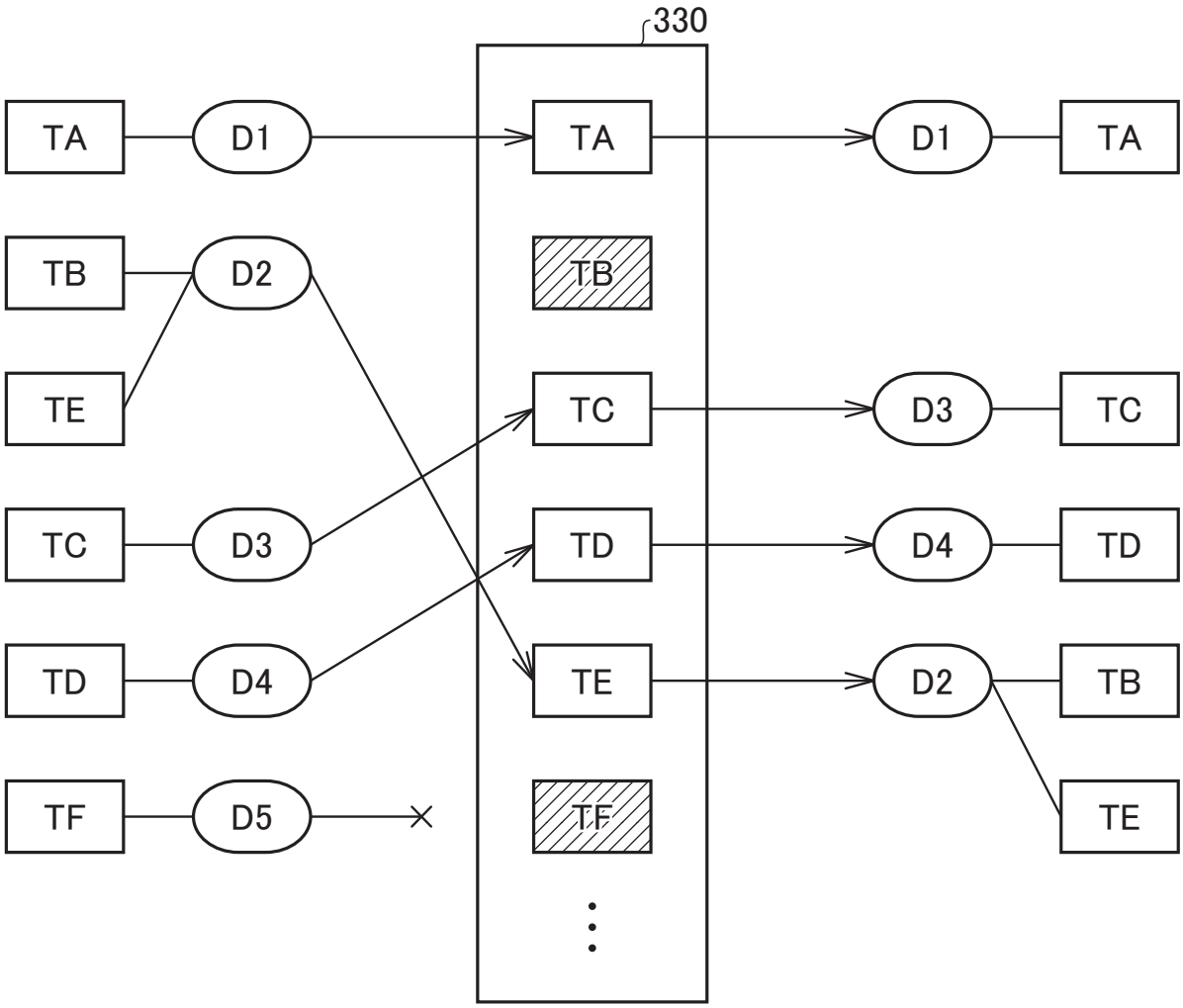

330
TA
D1
TA
D1
TA
TB
D2
TB
TE
TC
D3
TC
TC
D3
TD
D4
TD
TD
D4
TE
D2
TB
TE
TF
D5
TF
300

FIG. 8

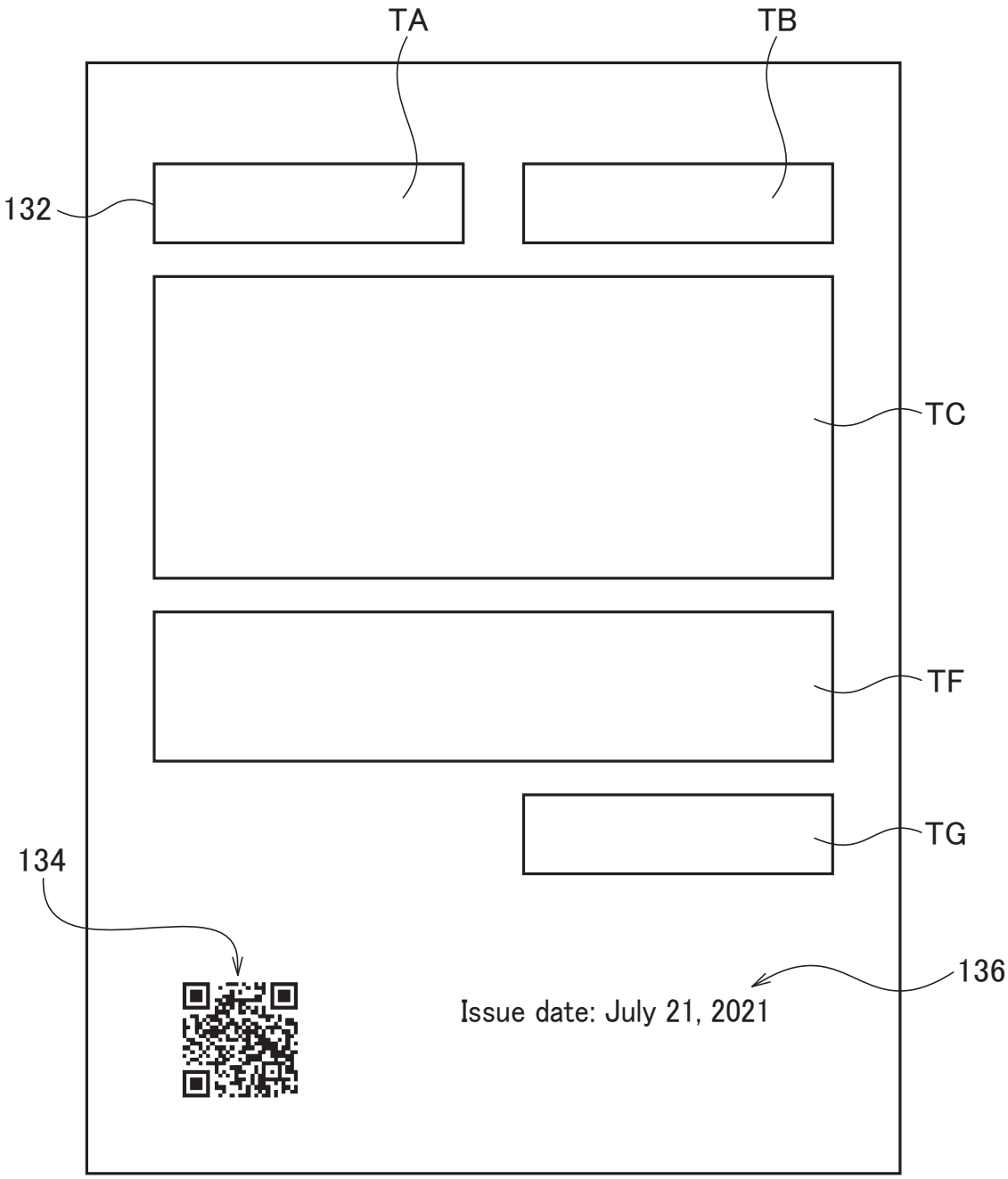


FIG. 9

DOCUMENT TYPE	TAG
F1	TA , TB , TC , TD
F2	TA , TB , TC , TF , TG
F3	TA , TE , (TH) , TK
F4	TA , TB , TD , TF
F5	TA , (TB) , TK
⋮	⋮

140

FIG. 10

DOCUMENT ID	ISSUE DATE AND TIME
K01(F1)	2021/7/21 14:35
K02(F3)	2021/7/21 14:57
K03(F3)	2021/7/21 15:17
K04(F1)	2021/7/21 15:19
K05(F2)	2021/7/21 15:33
⋮	⋮

150

FIG. 11

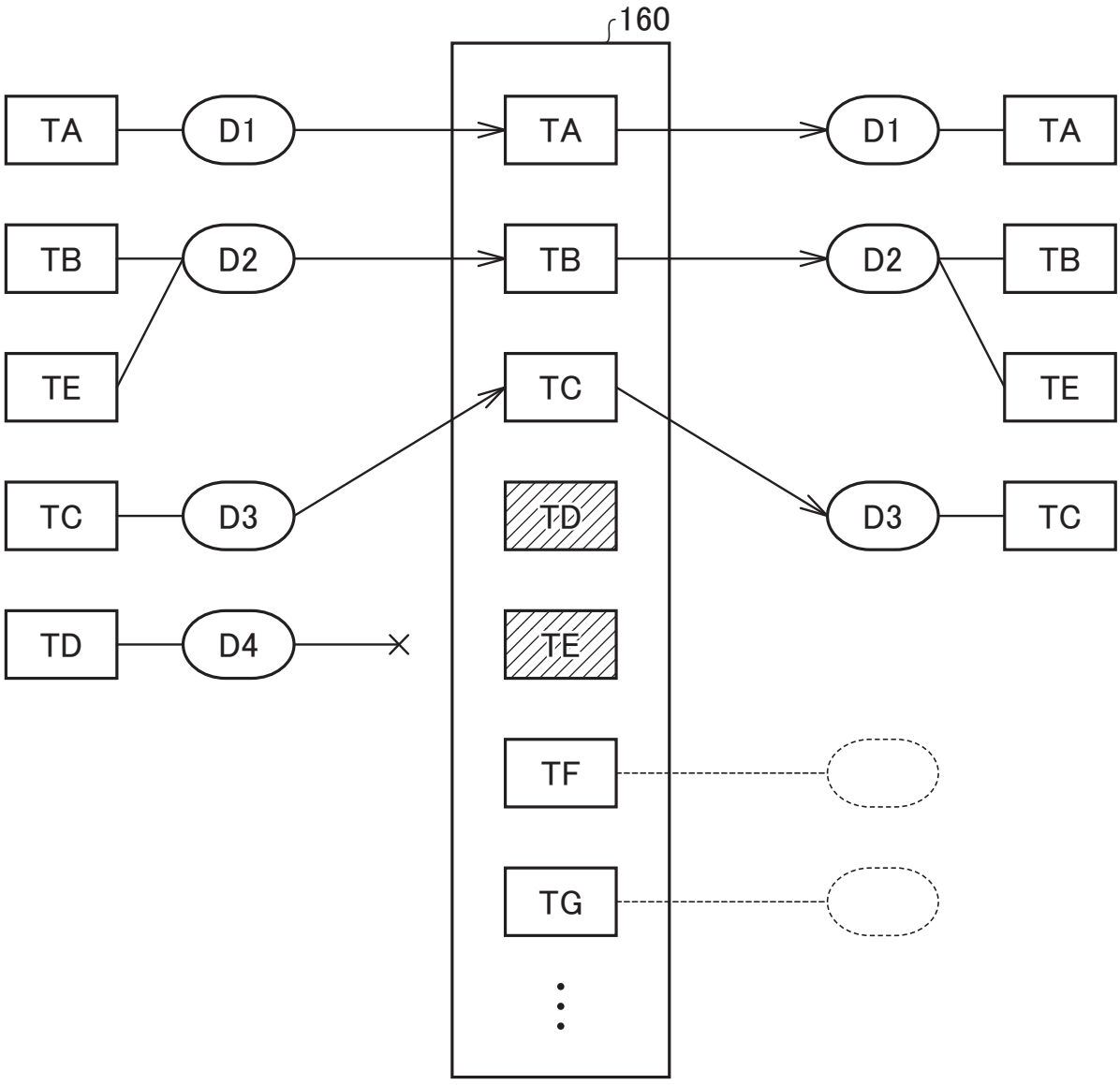

160
TA
D1
TA
D1
TA
TB
D2
TB
D2
TB
TE
TC
TE
TC
D3
TD
D3
TC
TD
D4
TE
TF
TG
100

FIG. 12

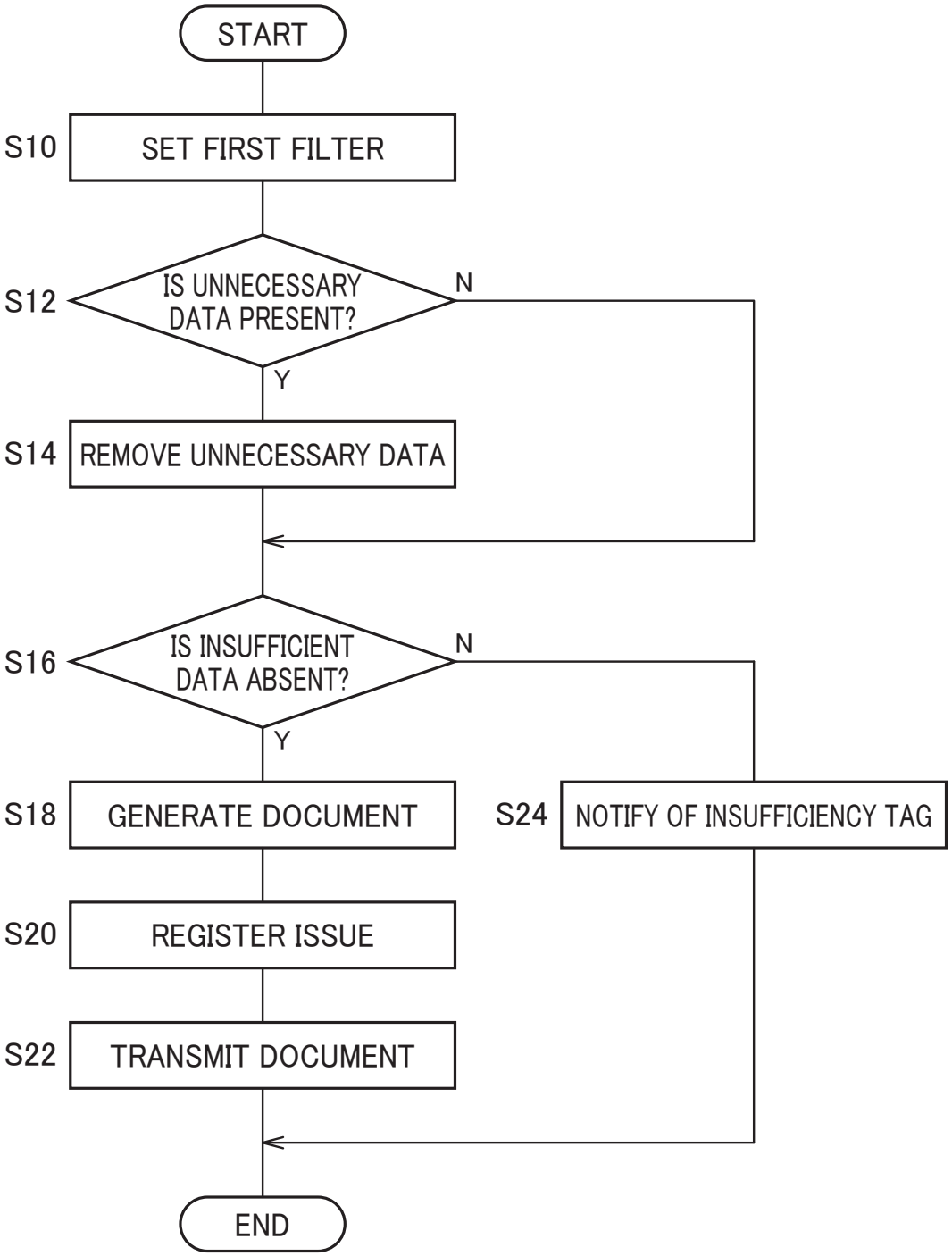

START
S10
SET FIRST FILTER
S12
IS UNNECESSARY DATA PRESENT?
N
Y
S14
REMOVE UNNECESSARY DATA
S16
IS INSUFFICIENT DATA ABSENT?
N
Y
S18
GENERATE DOCUMENT
S24
NOTIFY OF INSUFFICIENCY TAG
S20
REGISTER ISSUE
S22
TRANSMIT DOCUMENT
END

FIG. 13

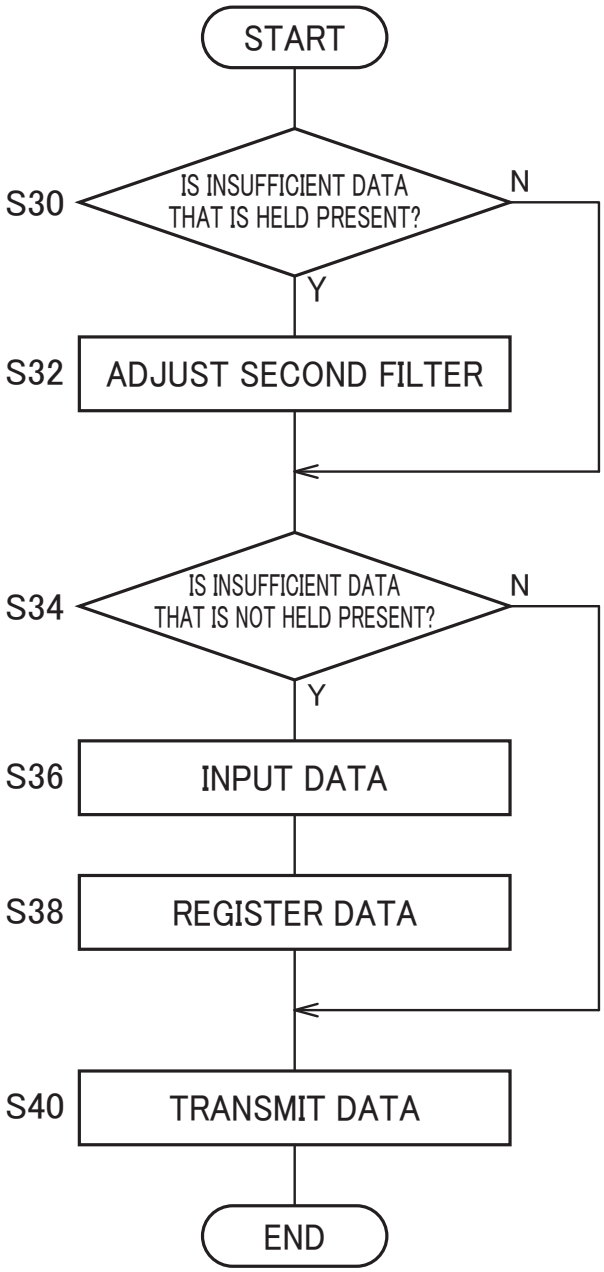

START
S30
IS INSUFFICIENT DATA THAT IS HELD PRESENT?
N
Y
S32
ADJUST SECOND FILTER
S34
IS INSUFFICIENT DATA THAT IS NOT HELD PRESENT?
N
Y
S36
INPUT DATA
S38
REGISTER DATA
S40
TRANSMIT DATA
END

FIG. 14

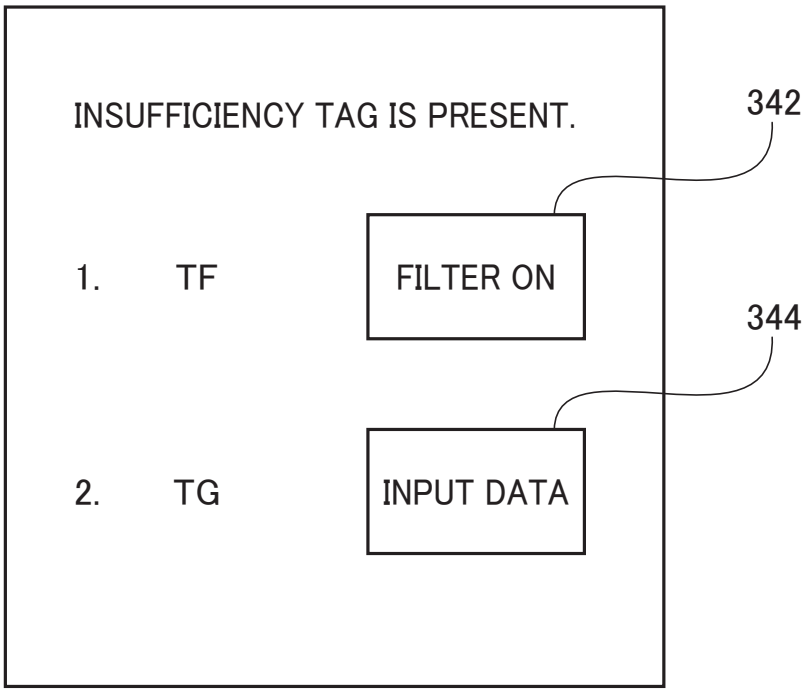

INSUFFICIENCY TAG IS PRESENT.
342
1. TF
FILTER ON
344
2. TG
INPUT DATA
340

FIG. 15

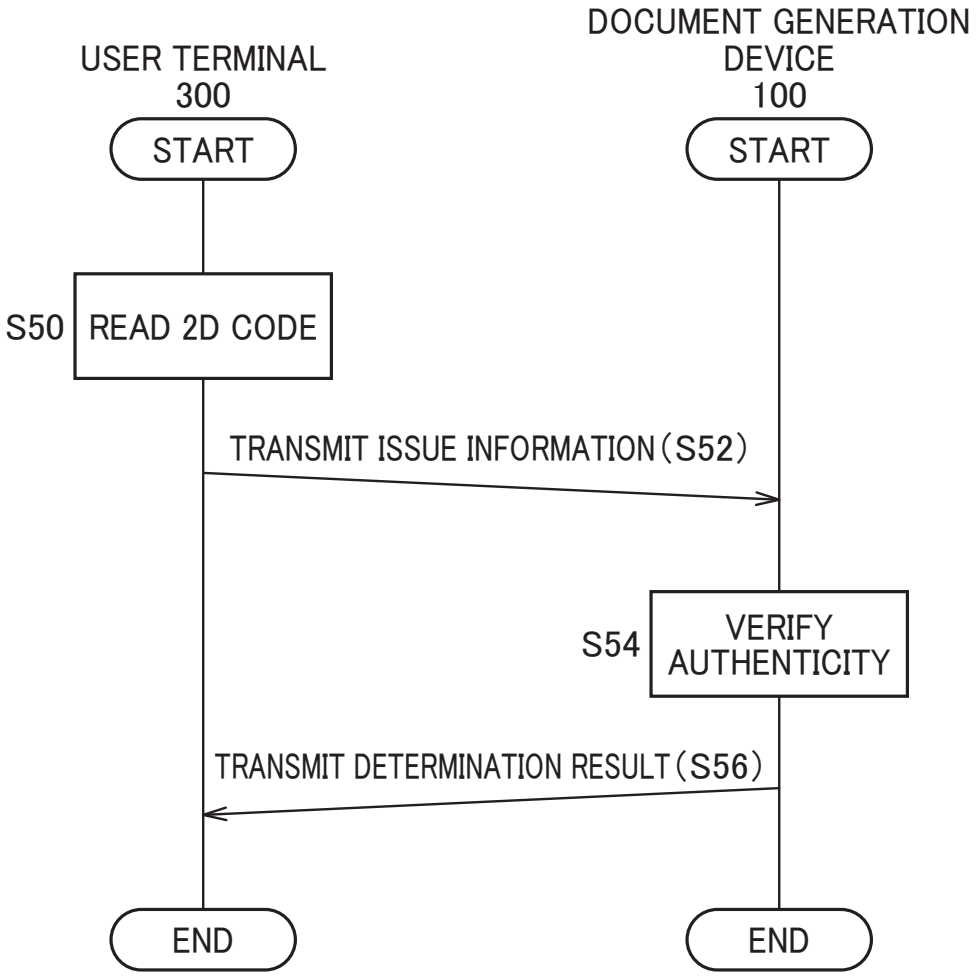
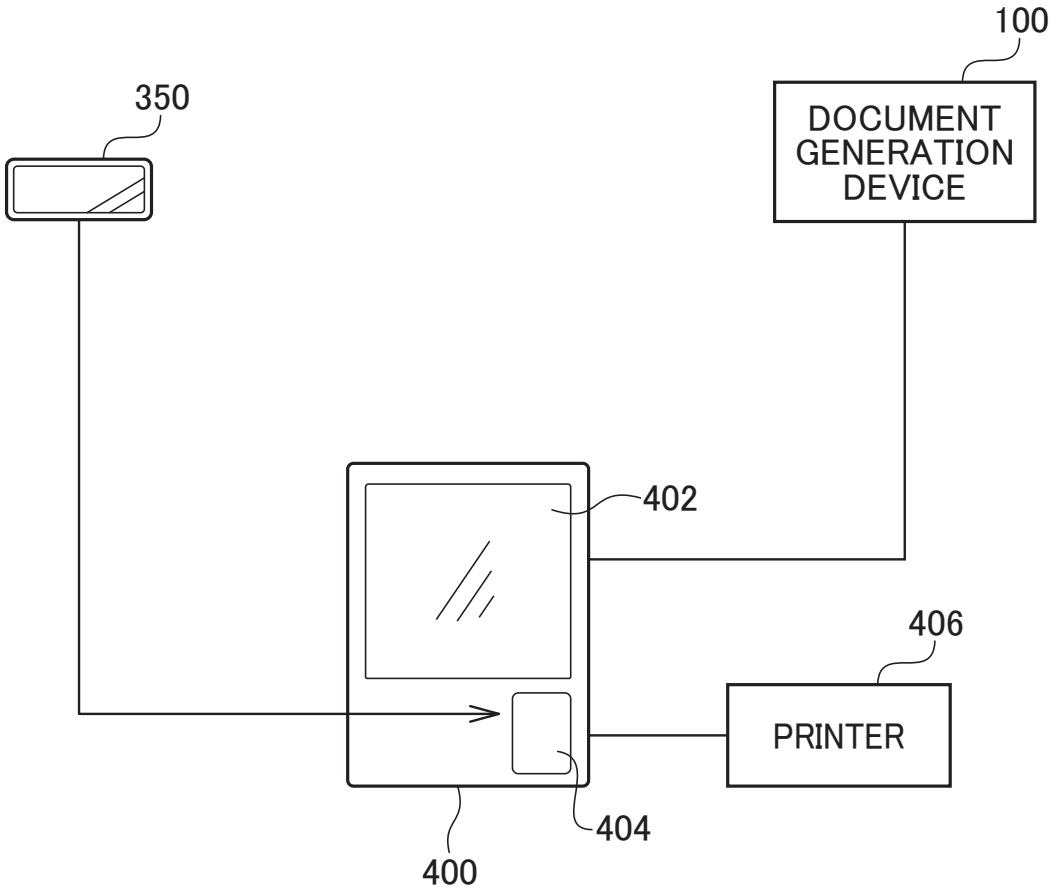
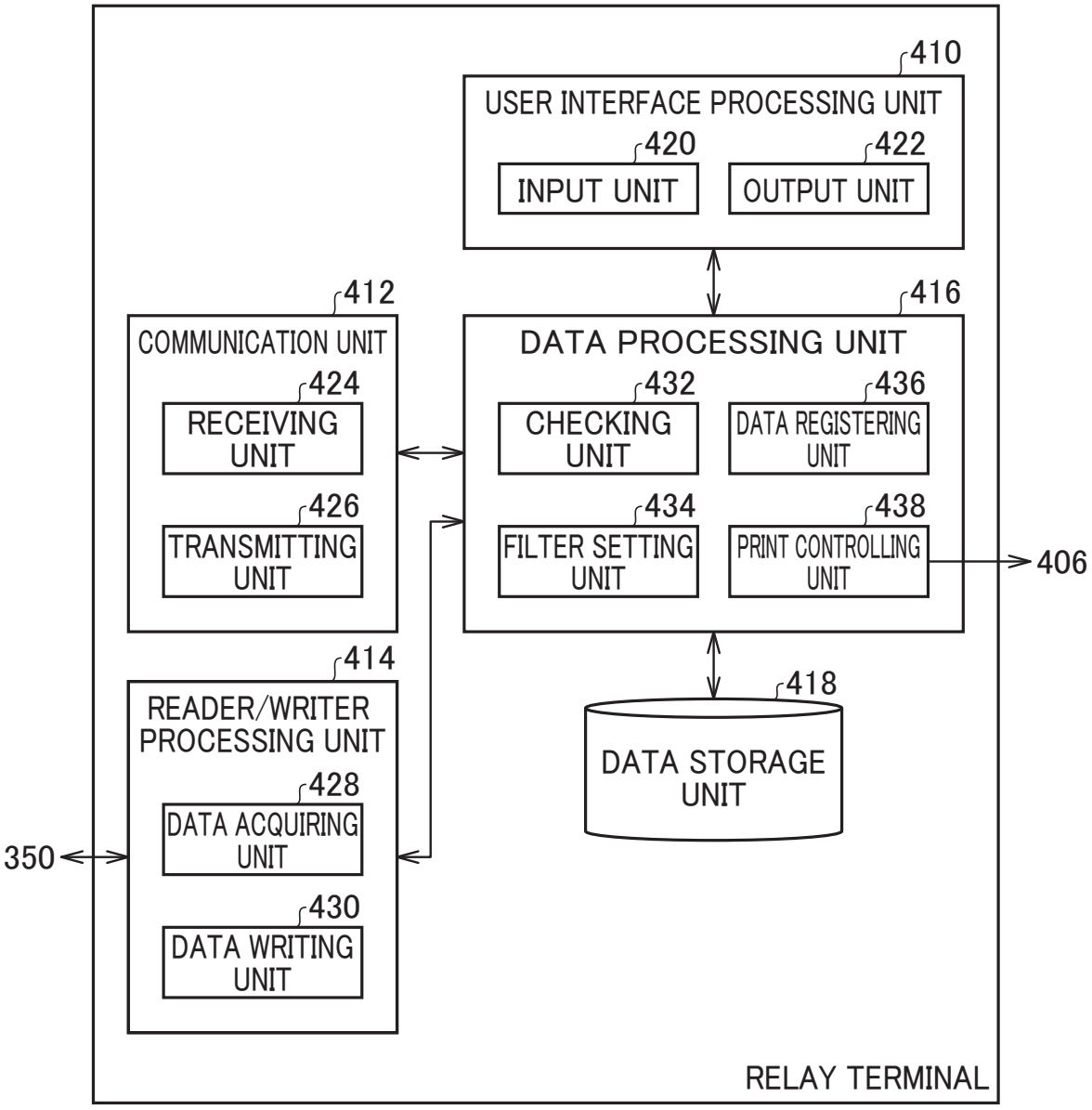

USER TERMINAL
300
DOCUMENT GENERATION
DEVICE
100
START
START
S50
READ 2D CODE
TRANSMIT ISSUE INFORMATION (S52)
S54
VERIFY
AUTHENTICITY
TRANSMIT DETERMINATION RESULT (S56)
END
END

FIG. 16



210

FIG. 17


410
USER INTERFACE PROCESSING UNIT
420
INPUT UNIT
422
OUTPUT UNIT
412
COMMUNICATION UNIT
424
RECEIVING UNIT
426
TRANSMITTING UNIT
416
DATA PROCESSING UNIT
432
CHECKING UNIT
436
DATA REGISTERING UNIT
434
FILTER SETTING UNIT
438
PRINT CONTROLLING UNIT
406
414
READER/WRITER PROCESSING UNIT
428
DATA ACQUIRING UNIT
430
DATA WRITING UNIT
350
418
DATA STORAGE UNIT
RELAY TERMINAL

400

FIG. 18

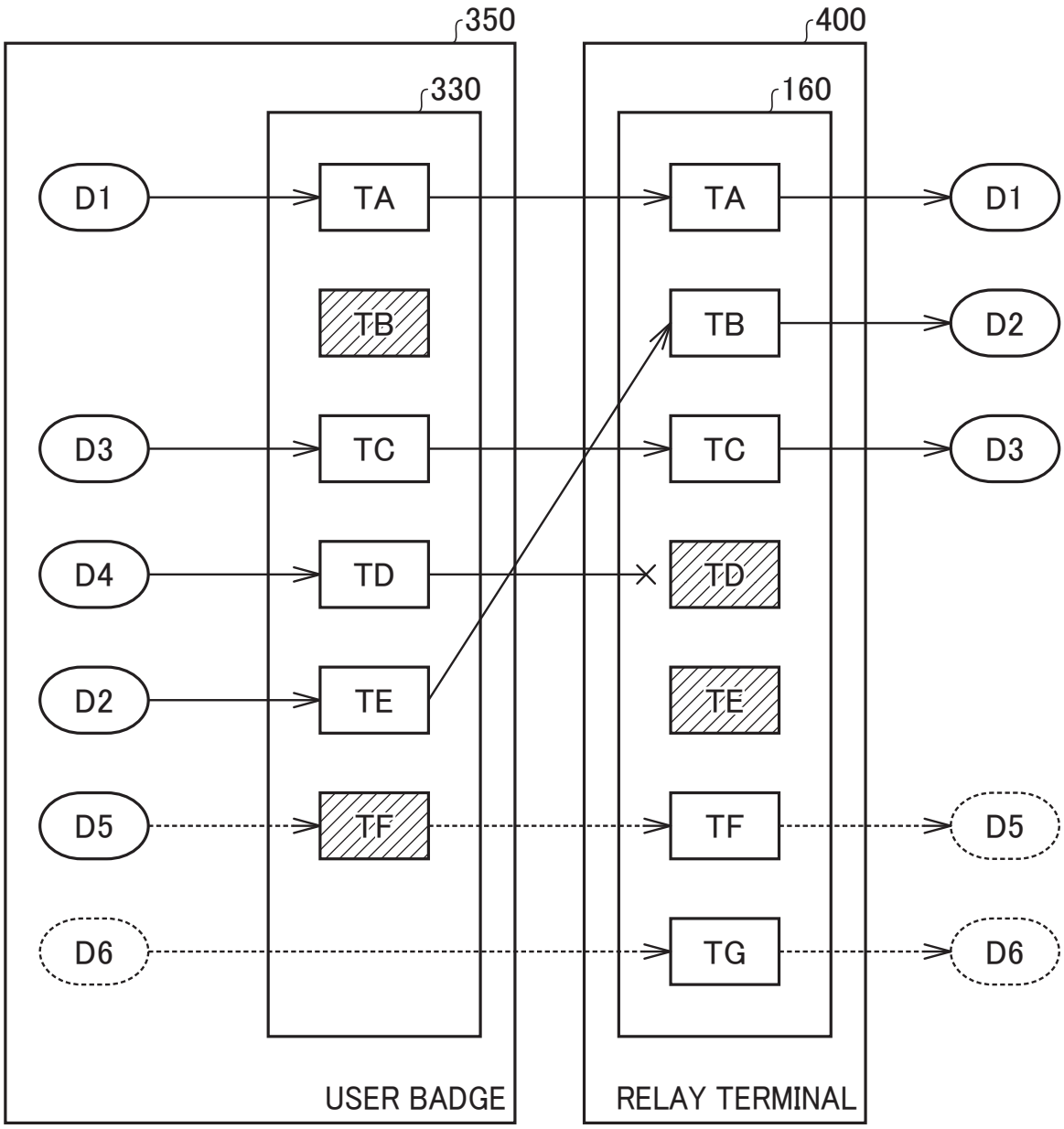
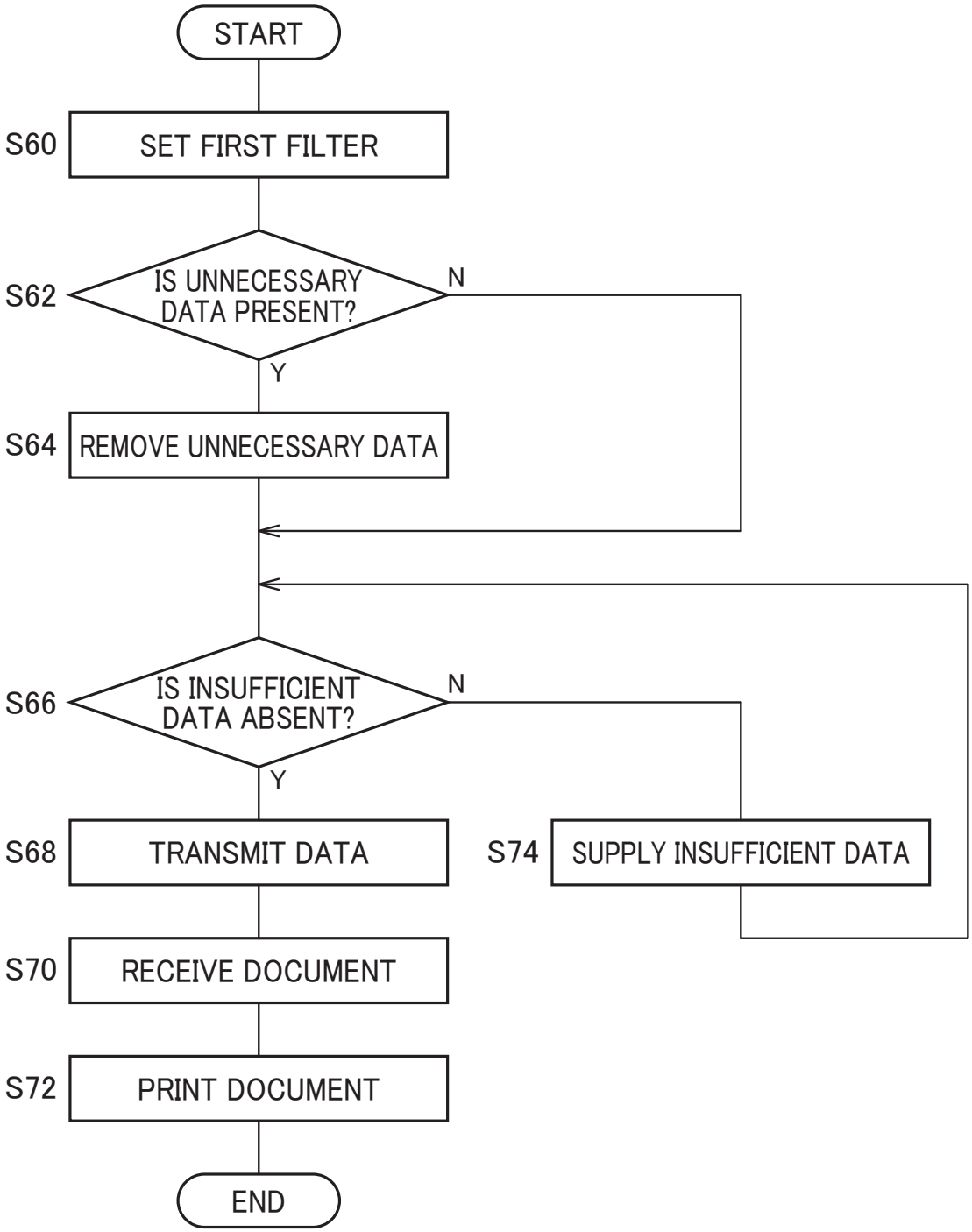

350
400
330
160
D1
TA
TA
D1
TB
TB
D2
D3
TC
TC
D3
D4
TD
TD
D2
TE
TE
D5
TF
TF
D5
D6
TG
D6
USER BADGE
RELAY TERMINAL

FIG. 19


START
S60
SET FIRST FILTER
S62
IS UNNECESSARY DATA PRESENT?
N
Y
S64
REMOVE UNNECESSARY DATA
S66
IS INSUFFICIENT DATA ABSENT?
N
Y
S68
TRANSMIT DATA
S74
SUPPLY INSUFFICIENT DATA
S70
RECEIVE DOCUMENT
S72
PRINT DOCUMENT
END