FIG. 1

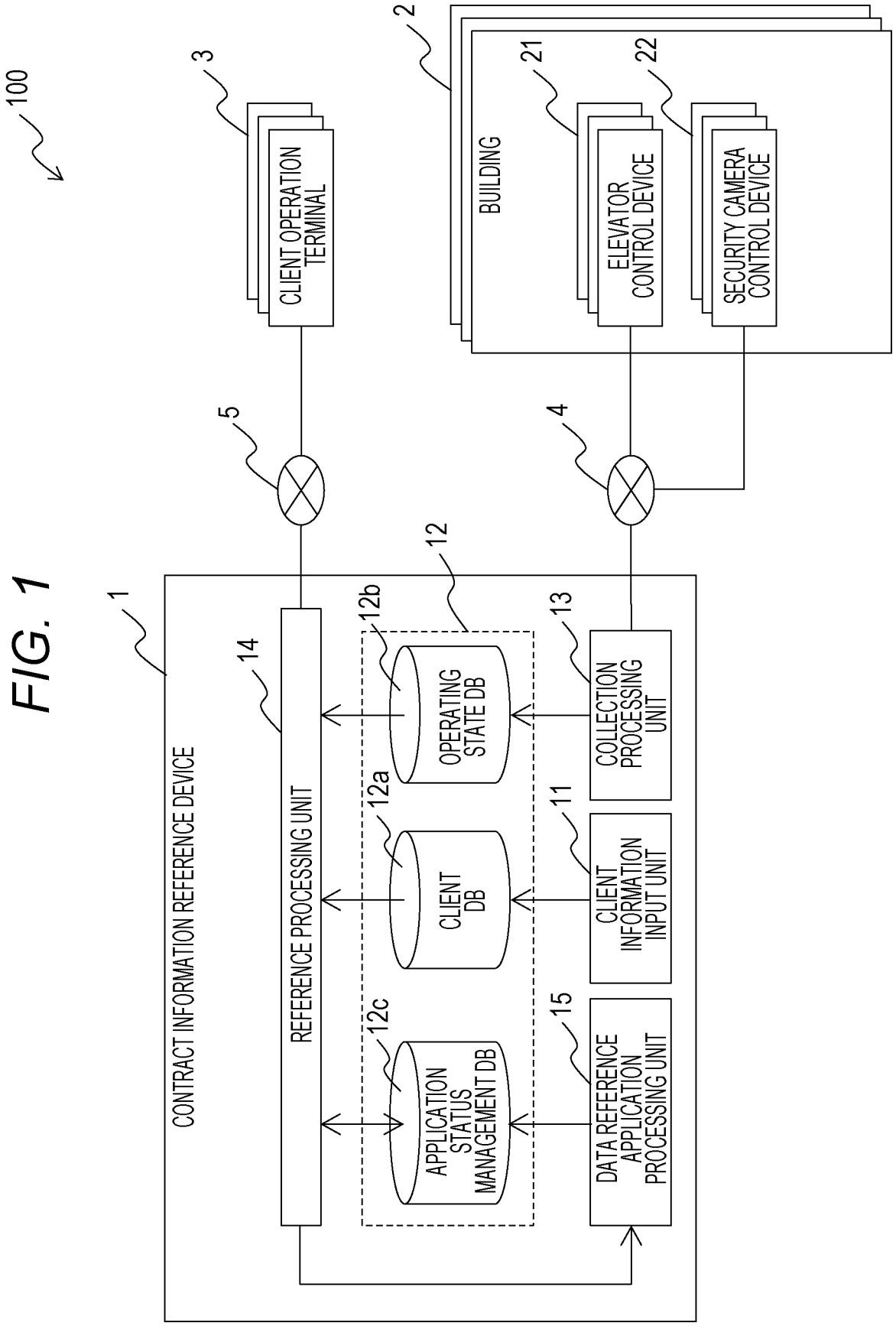
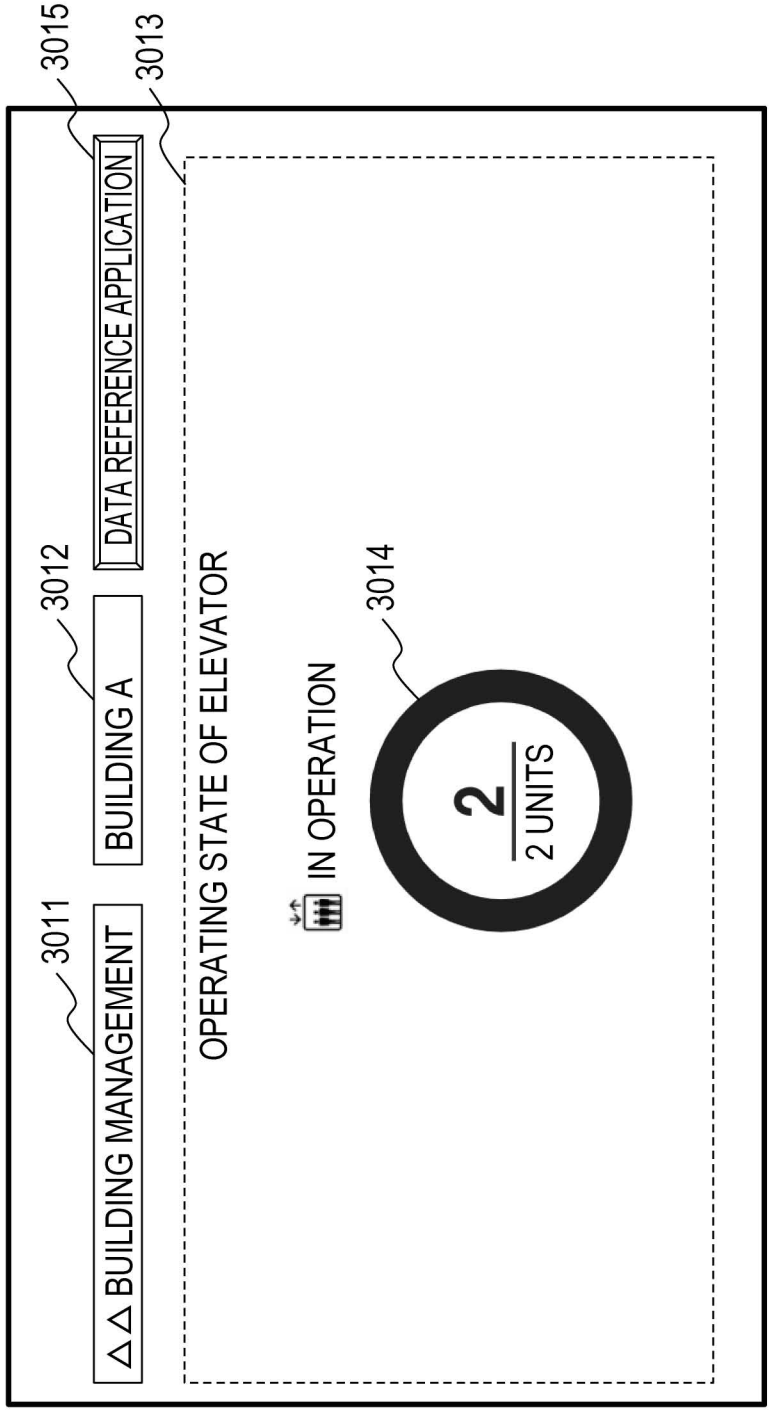

100
1
CONTRACT INFORMATION REFERENCE DEVICE
2
BUILDING
21
ELEVATOR CONTROL DEVICE
22
SECURITY CAMERA CONTROL DEVICE
3
CLIENT OPERATION TERMINAL
4
5
12
12a
CLIENT DB
12b
OPERATING STATE DB
12c
APPLICATION STATUS MANAGEMENT DB
11
CLIENT INFORMATION INPUT UNIT
13
COLLECTION PROCESSING UNIT
14
REFERENCE PROCESSING UNIT
15
DATA REFERENCE APPLICATION PROCESSING UNIT

FIG. 2

12a

| CLIENT | CLIENT ID | BUILDING ID | BUILDING ADDRESS | BUILDING FACILITY | BUILDING FACILITY ID |
|---|---|---|---|---|---|
| △△ BUILDING MANAGEMENT | 001 | BUILDING A | 1-2-3, ○○, □□ CITY, IBARAKI PREFECTURE | ELEVATOR | E001 |
| △△ BUILDING MANAGEMENT | 001 | BUILDING A | 1-2-3, ○○, □□ CITY, IBARAKI PREFECTURE | ELEVATOR | E002 |
| ○○ MANAGEMENT ASSOCIATION | 002 | BUILDING A | 1-2-3, ○○, □□ CITY, IBARAKI PREFECTURE | SECURITY CAMERA | K001 |
| ×× REAL ESTATE | 003 | BUILDING B | 2-4-6, ○○, □□ WARD, OSAKA PREFECTURE | ELEVATOR | E003 |

FIG. 3


301
3015
3013
3012
3011
△△ BUILDING MANAGEMENT
BUILDING A
DATA REFERENCE APPLICATION
OPERATING STATE OF ELEVATOR
IN OPERATION
3014
2
2 UNITS

# FIG. 4

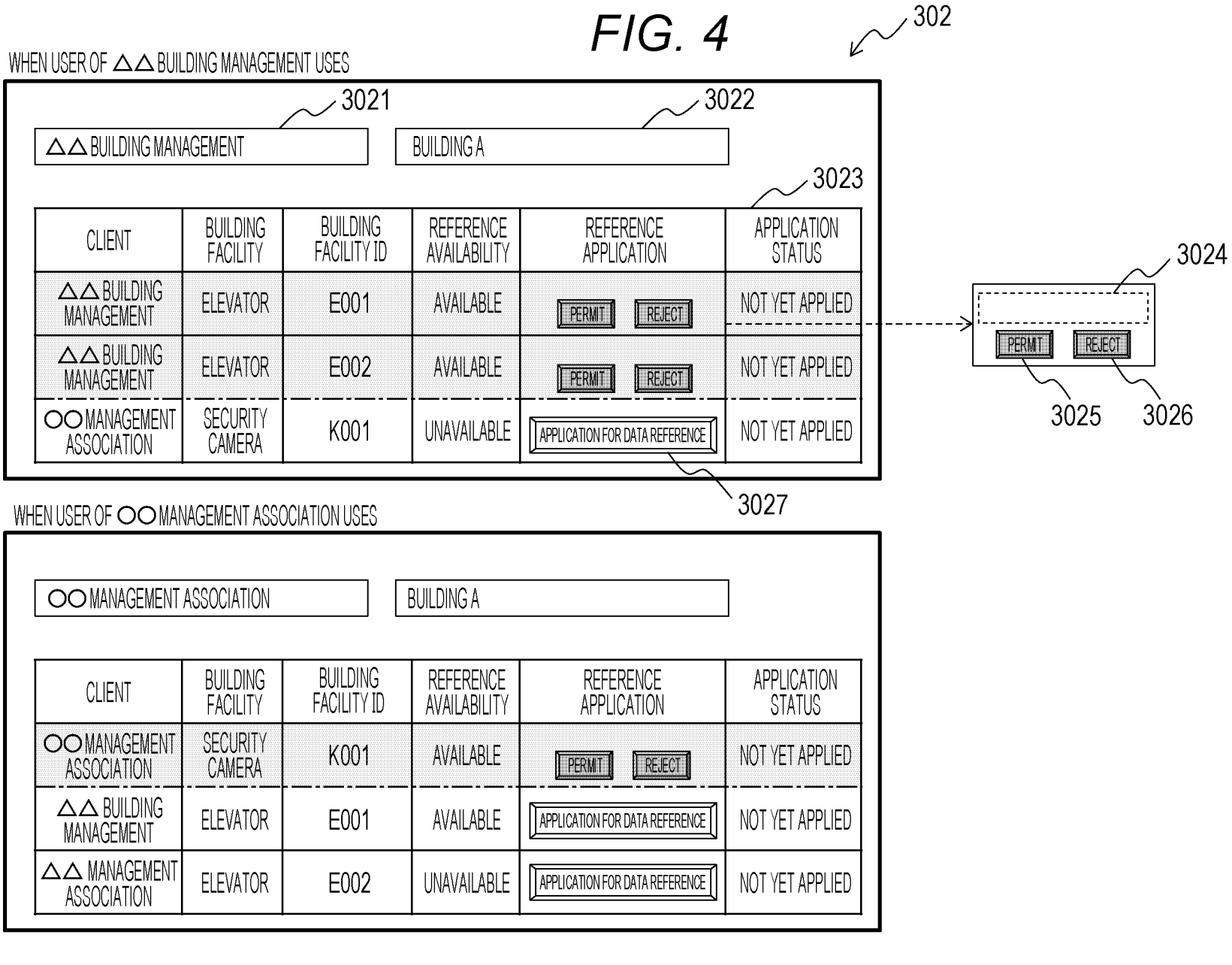

302
WHEN USER OF △△ BUILDING MANAGEMENT USES
3021
3022
△△ BUILDING MANAGEMENT
BUILDING A
3023
CLIENT
BUILDING FACILITY
BUILDING FACILITY ID
REFERENCE AVAILABILITY
REFERENCE APPLICATION
APPLICATION STATUS
△△ BUILDING MANAGEMENT
ELEVATOR
E001
AVAILABLE
PERMIT
REJECT
NOT YET APPLIED
△△ BUILDING MANAGEMENT
ELEVATOR
E002
AVAILABLE
PERMIT
REJECT
NOT YET APPLIED
○○ MANAGEMENT ASSOCIATION
SECURITY CAMERA
K001
UNAVAILABLE
APPLICATION FOR DATA REFERENCE
NOT YET APPLIED
3024
PERMIT
REJECT
3025
3026
3027
WHEN USER OF ○○ MANAGEMENT ASSOCIATION USES
○○ MANAGEMENT ASSOCIATION
BUILDING A
CLIENT
BUILDING FACILITY
BUILDING FACILITY ID
REFERENCE AVAILABILITY
REFERENCE APPLICATION
APPLICATION STATUS
○○ MANAGEMENT ASSOCIATION
SECURITY CAMERA
K001
AVAILABLE
PERMIT
REJECT
NOT YET APPLIED
△△ BUILDING MANAGEMENT
ELEVATOR
E001
AVAILABLE
APPLICATION FOR DATA REFERENCE
NOT YET APPLIED
△△ MANAGEMENT ASSOCIATION
ELEVATOR
E002
UNAVAILABLE
APPLICATION FOR DATA REFERENCE
NOT YET APPLIED

FIG. 5

12c

| APPLICANT CLIENT | APPLICANT CLIENT ID | BUILDING ID | APPLICATION DESTINATION CLIENT ID | APPLICATION DESTINATION BUILDING FACILITY ID | APPLICATION STATUS |
|---|---|---|---|---|---|
| △△ BUILDING MANAGEMENT | 001 | BUILDING A | 002 | K001 | PENDING |

# FIG. 6

302

WHEN USER OF △△ BUILDING MANAGEMENT USES

△△ BUILDING MANAGEMENT | BUILDING A

| CLIENT | BUILDING FACILITY | BUILDING FACILITY ID | REFERENCE AVAILABILITY | REFERENCE APPLICATION | APPLICATION STATUS |
|---|---|---|---|---|---|
| △△ BUILDING MANAGEMENT | ELEVATOR | E001 | AVAILABLE | PERMIT REJECT | NOT YET APPLIED |
| △△ BUILDING MANAGEMENT | ELEVATOR | E002 | AVAILABLE | PERMIT REJECT | NOT YET APPLIED |
| ○○ MANAGEMENT ASSOCIATION | SECURITY CAMERA | K001 | UNAVAILABLE | APPLICATION FOR DATA REFERENCE | NOT YET APPLIED |

BEFORE APPLICATION — S3021

| UNAVAILABLE | APPLICATION FOR DATA REFERENCE | NOT YET APPLIED |
|---|---|---|

AFTER APPLICATION — S3022

| UNAVAILABLE | APPLICATION FOR DATA REFERENCE | PENDING |
|---|---|---|

AFTER APPLICATION PERMISSION — S3023

| AVAILABLE | APPLICATION FOR DATA REFERENCE | PERMIT |
|---|---|---|

WHEN USER OF ○○ MANAGEMENT ASSOCIATION USES

○○ MANAGEMENT ASSOCIATION | BUILDING A

| CLIENT | BUILDING FACILITY | BUILDING FACILITY ID | REFERENCE AVAILABILITY | REFERENCE APPLICATION | APPLICATION STATUS |
|---|---|---|---|---|---|
| ○○ MANAGEMENT ASSOCIATION | SECURITY CAMERA | | AVAILABLE | PERMIT REJECT | NOT YET APPLIED |
| △△ BUILDING MANAGEMENT | ELEVATOR | | AVAILABLE | APPLICATION FOR DATA REFERENCE | NOT YET APPLIED |
| △△ BUILDING MANAGEMENT | ELEVATOR | | UNAVAILABLE | APPLICATION FOR DATA REFERENCE | NOT YET APPLIED |

BEFORE APPLICATION — S3024

| AVAILABLE | PERMIT REJECT | NOT YET APPLIED |
|---|---|---|

AFTER APPLICATION — S3025

| AVAILABLE | △△ BUILDING MANAGEMENT PERMIT REJECT | PENDING |
|---|---|---|

AFTER APPLICATION PERMISSION — S3026

| AVAILABLE | PERMIT REJECT | PERMIT △△ BUILDING MANAGEMENT |
|---|---|---|

FIG. 7

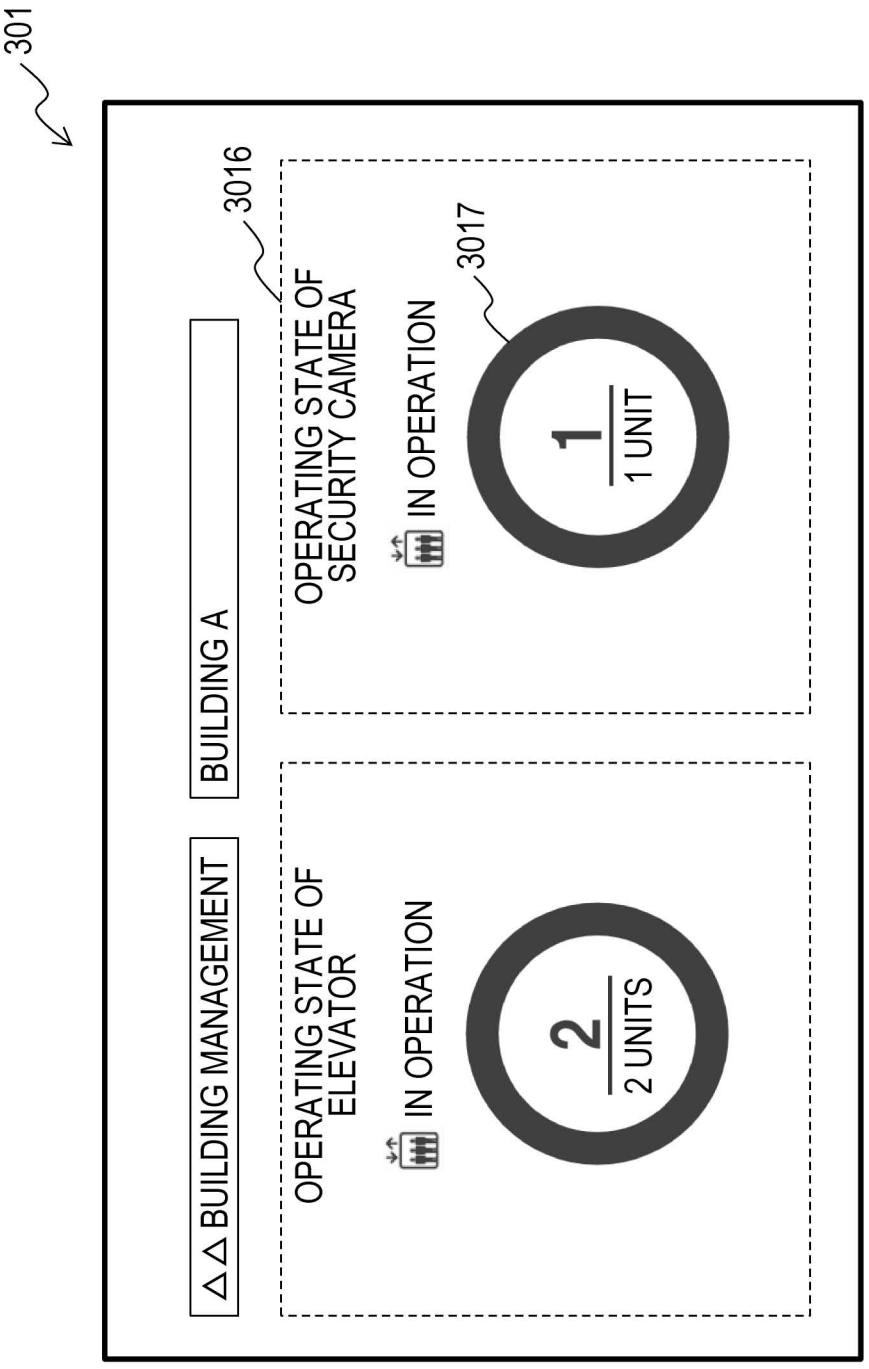

301
△△ BUILDING MANAGEMENT
BUILDING A
3016
OPERATING STATE OF ELEVATOR
IN OPERATION
2
2 UNITS
OPERATING STATE OF SECURITY CAMERA
IN OPERATION
3017
1
1 UNIT

FIG. 8A

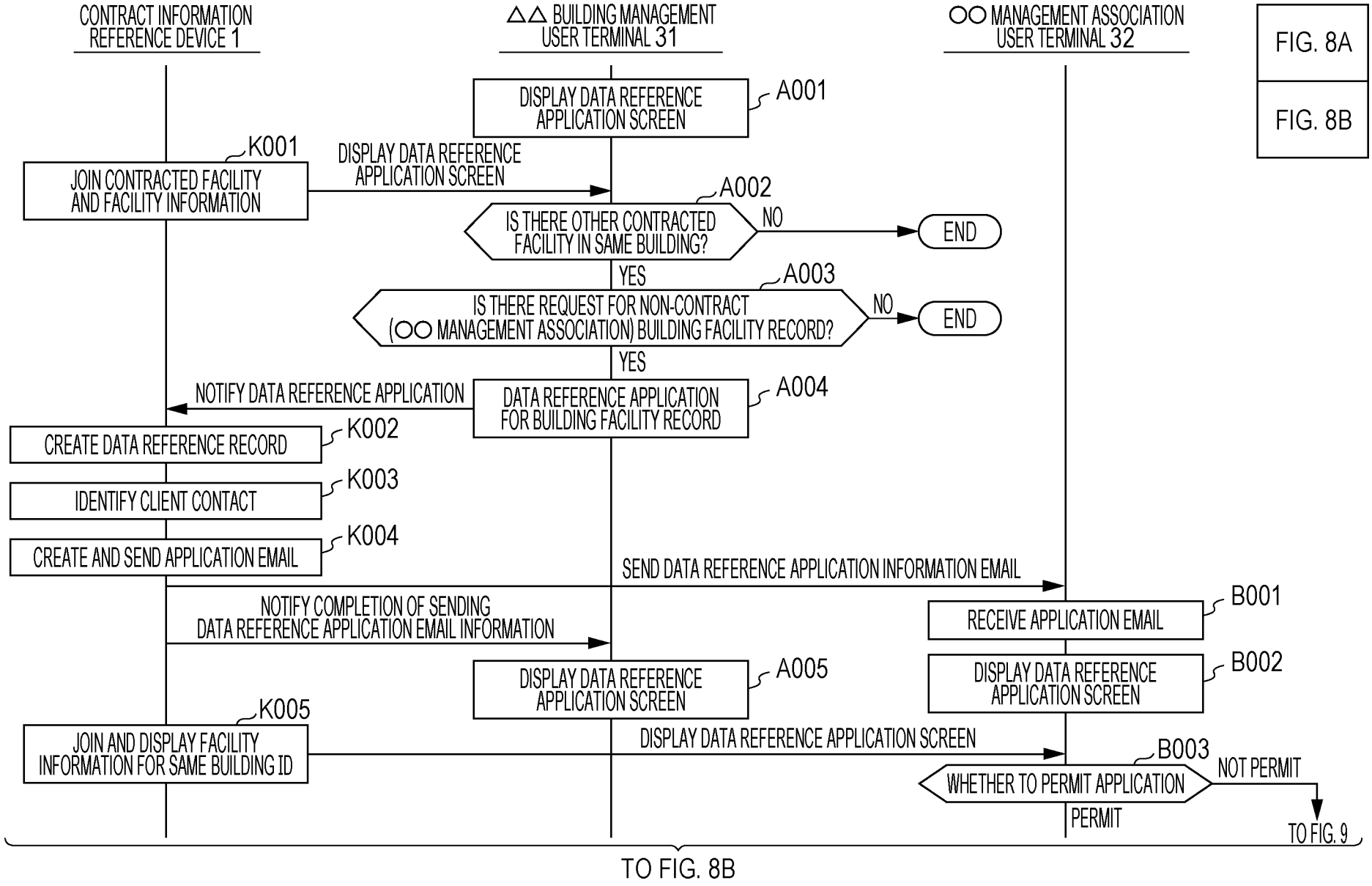



FIG. 8A
FIG. 8B

FIG. 8B

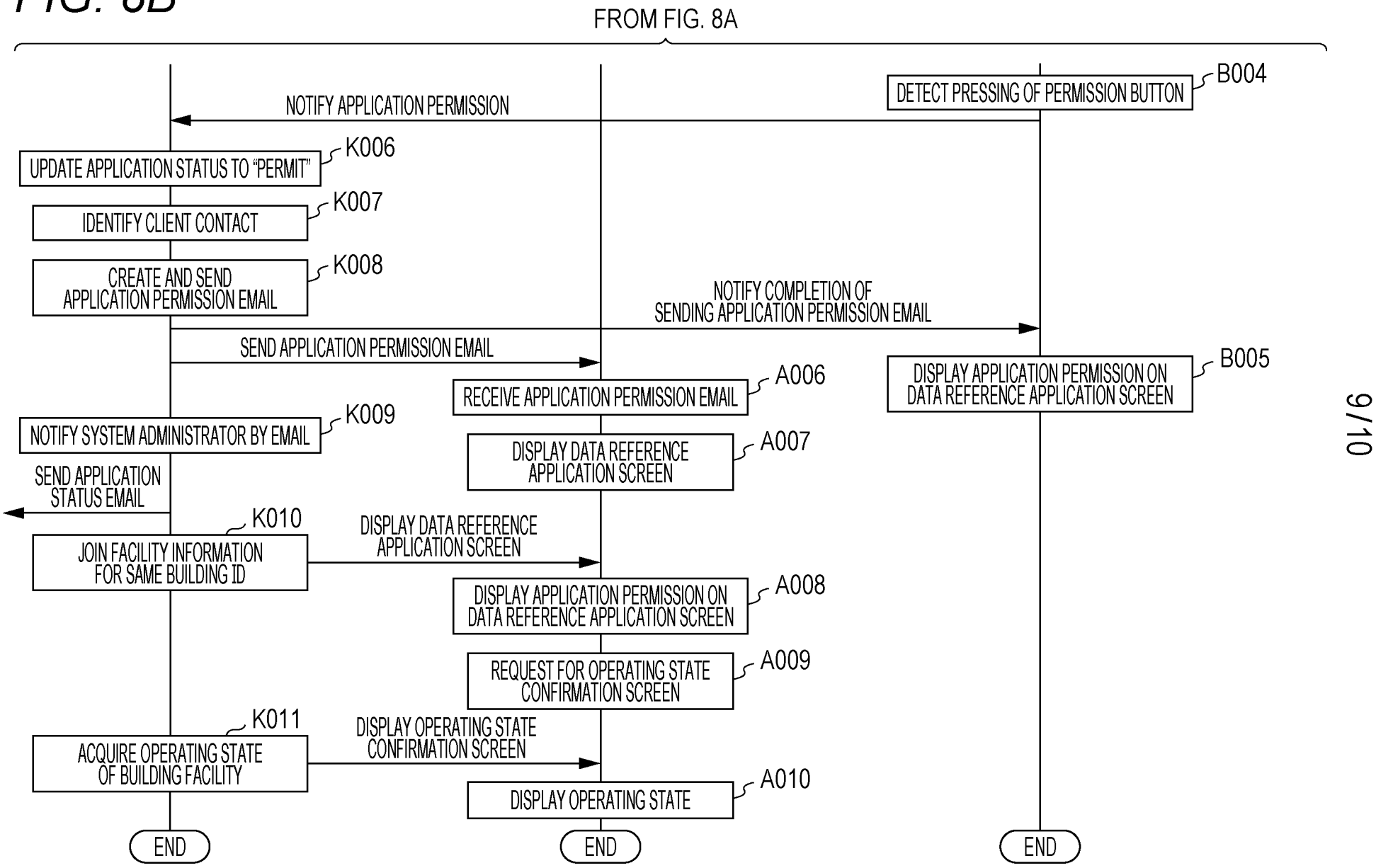
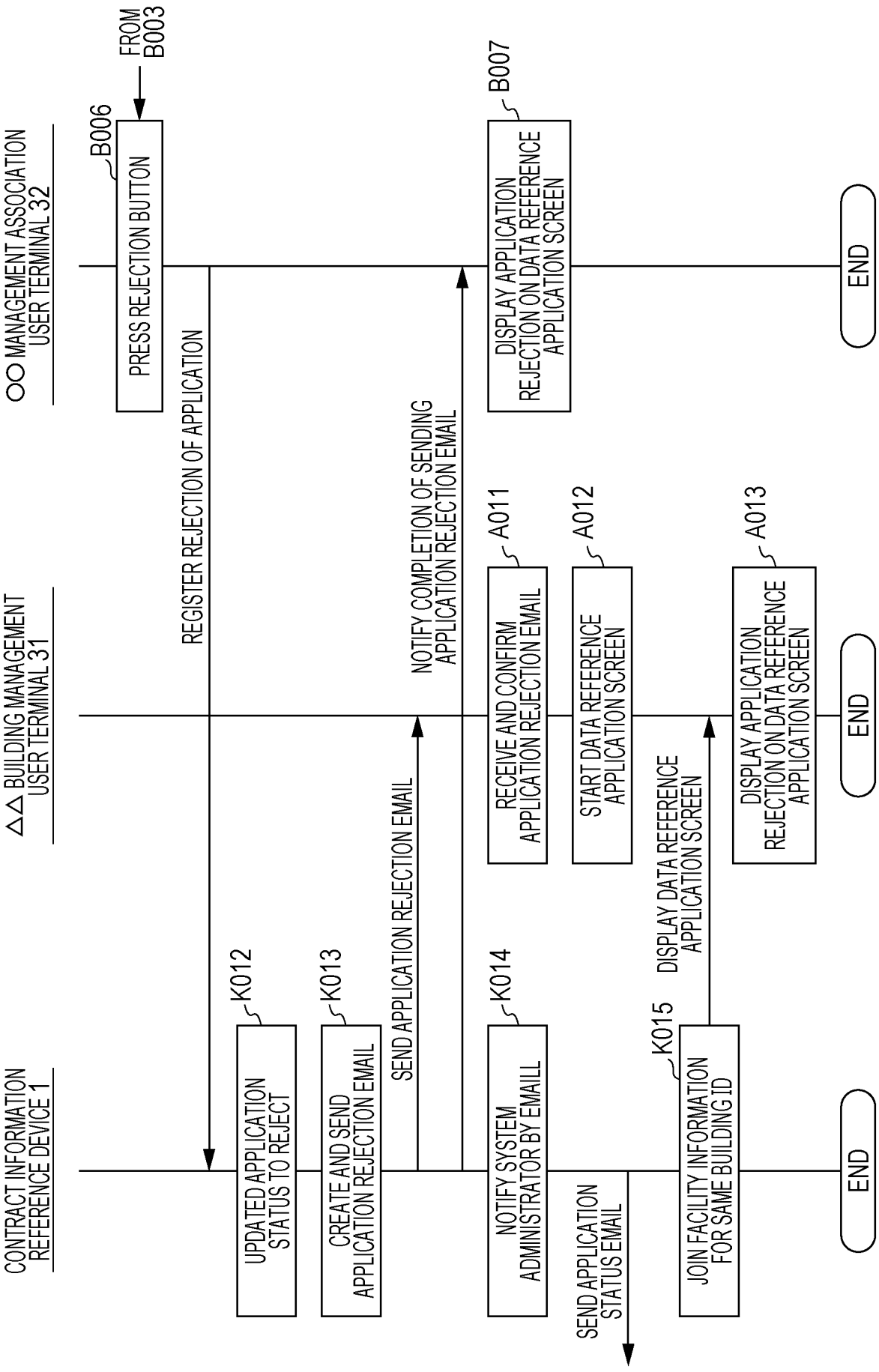

FROM FIG. 8A
DETECT PRESSING OF PERMISSION BUTTON
B004
NOTIFY APPLICATION PERMISSION
UPDATE APPLICATION STATUS TO "PERMIT"
K006
IDENTIFY CLIENT CONTACT
K007
CREATE AND SEND APPLICATION PERMISSION EMAIL
K008
NOTIFY COMPLETION OF SENDING APPLICATION PERMISSION EMAIL
SEND APPLICATION PERMISSION EMAIL
RECEIVE APPLICATION PERMISSION EMAIL
A006
DISPLAY APPLICATION PERMISSION ON DATA REFERENCE APPLICATION SCREEN
B005
NOTIFY SYSTEM ADMINISTRATOR BY EMAIL
K009
DISPLAY DATA REFERENCE APPLICATION SCREEN
A007
SEND APPLICATION STATUS EMAIL
JOIN FACILITY INFORMATION FOR SAME BUILDING ID
K010
DISPLAY DATA REFERENCE APPLICATION SCREEN
DISPLAY APPLICATION PERMISSION ON DATA REFERENCE APPLICATION SCREEN
A008
REQUEST FOR OPERATING STATE CONFIRMATION SCREEN
A009
ACQUIRE OPERATING STATE OF BUILDING FACILITY
K011
DISPLAY OPERATING STATE CONFIRMATION SCREEN
DISPLAY OPERATING STATE
A010
END
END
END

FIG. 9


CONTRACT INFORMATION REFERENCE DEVICE 1
△△ BUILDING MANAGEMENT USER TERMINAL 31
○○ MANAGEMENT ASSOCIATION USER TERMINAL 32
FROM B003
B006
PRESS REJECTION BUTTON
REGISTER REJECTION OF APPLICATION
B007
DISPLAY APPLICATION REJECTION ON DATA REFERENCE APPLICATION SCREEN
END
NOTIFY COMPLETION OF SENDING APPLICATION REJECTION EMAIL
A011
RECEIVE AND CONFIRM APPLICATION REJECTION EMAIL
A012
START DATA REFERENCE APPLICATION SCREEN
A013
DISPLAY APPLICATION REJECTION ON DATA REFERENCE APPLICATION SCREEN
END
K012
UPDATED APPLICATION STATUS TO REJECT
K013
CREATE AND SEND APPLICATION REJECTION EMAIL
SEND APPLICATION REJECTION EMAIL
K014
NOTIFY SYSTEM ADMINISTRATOR BY EMAILL
SEND APPLICATION STATUS EMAIL
K015
JOIN FACILITY INFORMATION FOR SAME BUILDING ID
DISPLAY DATA REFERENCE APPLICATION SCREEN
END