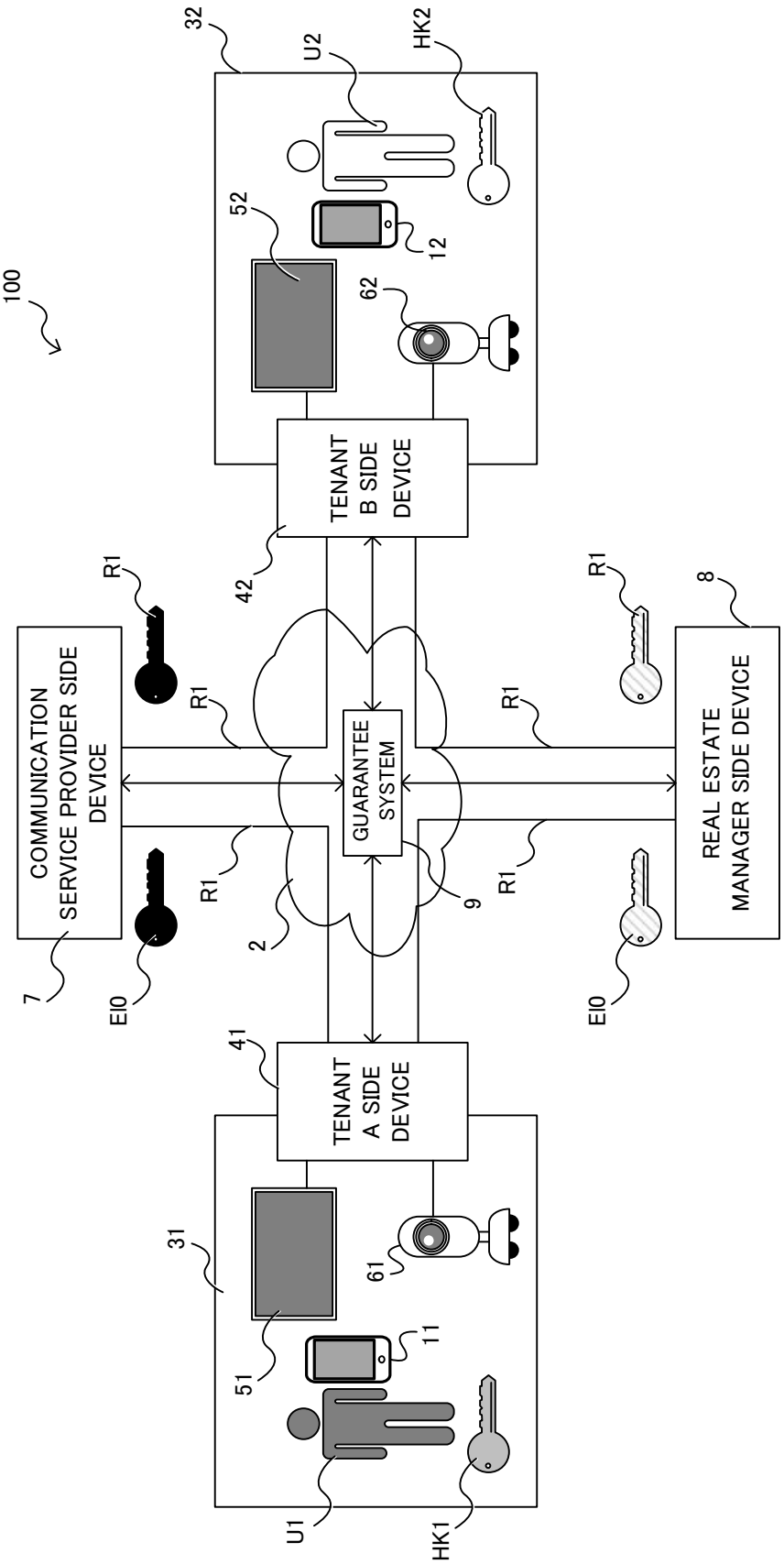

100
32
U2
HK2
52
12
62
TENANT B SIDE DEVICE
42
R1
COMMUNICATION SERVICE PROVIDER SIDE DEVICE
7
EI0
GUARANTEE SYSTEM
2
9
8
REAL ESTATE MANAGER SIDE DEVICE
41
TENANT A SIDE DEVICE
31
61
51
11
U1
HK1

Fig. 1

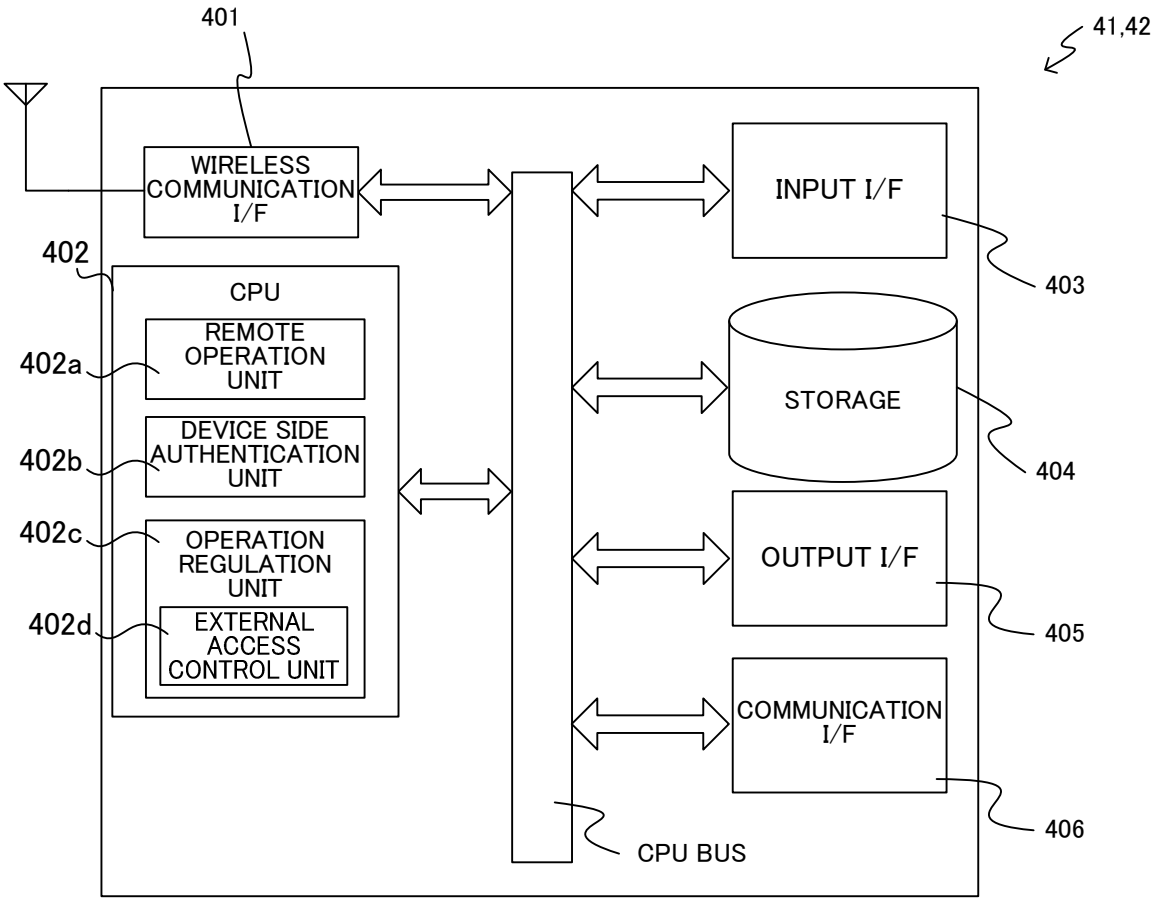

401
41,42
WIRELESS COMMUNICATION I/F
INPUT I/F
403
402
CPU
REMOTE OPERATION UNIT
402a
DEVICE SIDE AUTHENTICATION UNIT
402b
OPERATION REGULATION UNIT
402c
EXTERNAL ACCESS CONTROL UNIT
402d
STORAGE
404
OUTPUT I/F
405
COMMUNICATION I/F
406
CPU BUS

Fig. 2

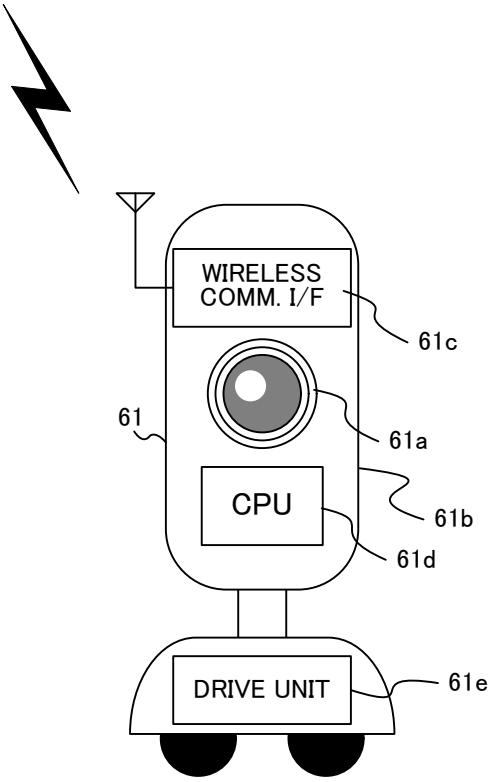

WIRELESS COMM. I/F
61c
61
61a
CPU
61b
61d
DRIVE UNIT
61e

Fig. 3

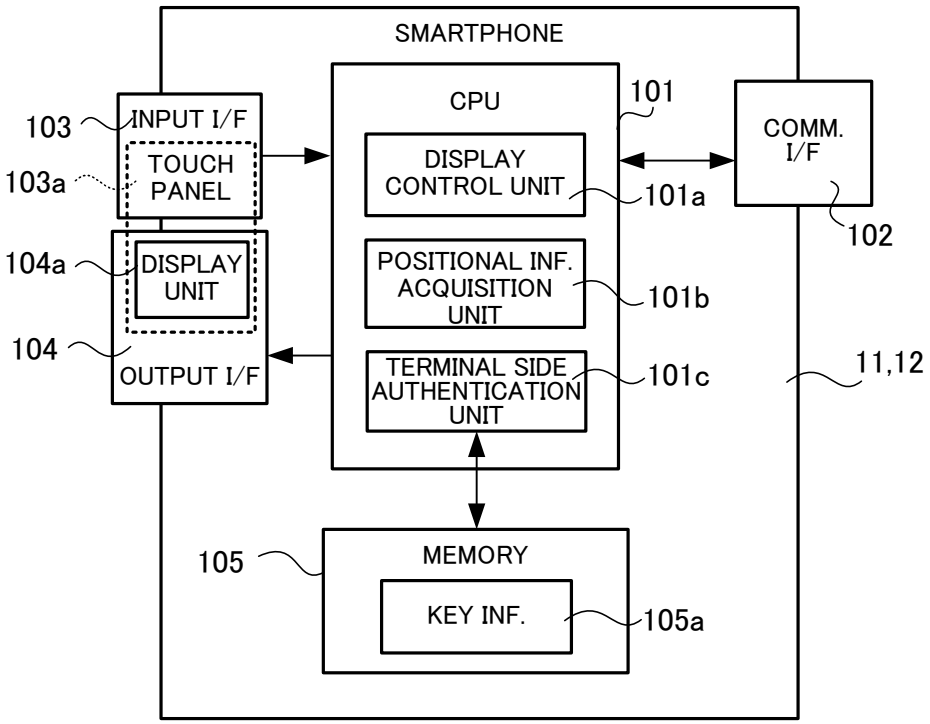
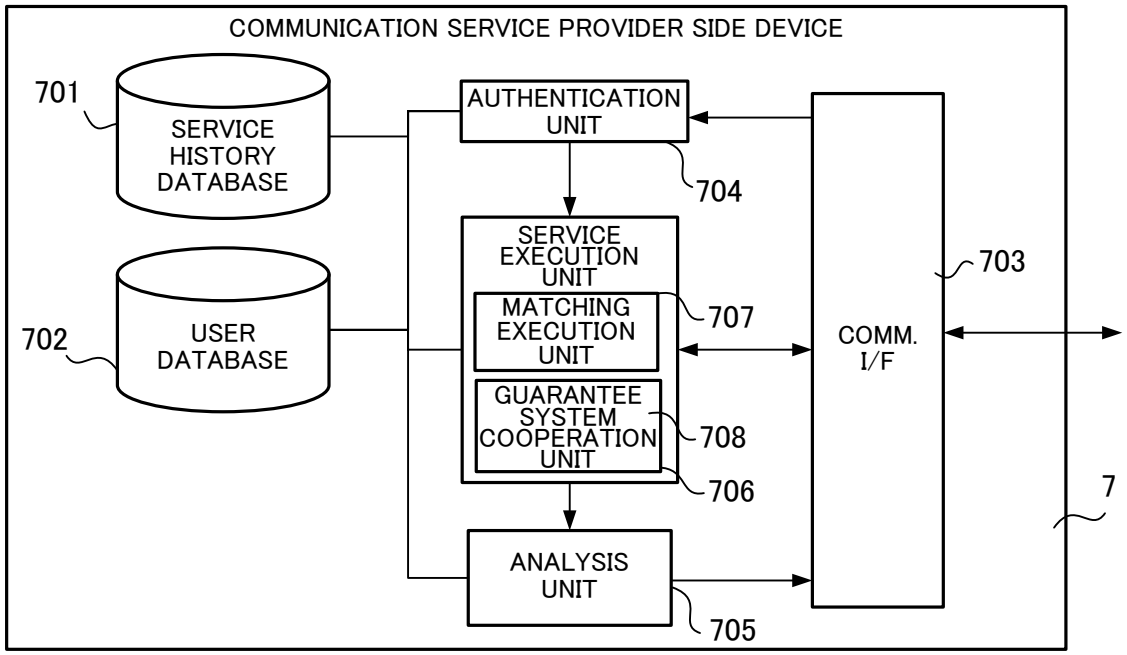

SMARTPHONE
CPU
101
DISPLAY CONTROL UNIT
101a
POSITIONAL INF. ACQUISITION UNIT
101b
TERMINAL SIDE AUTHENTICATION UNIT
101c
COMM. I/F
102
11,12
103
INPUT I/F
TOUCH PANEL
103a
104a
DISPLAY UNIT
104
OUTPUT I/F
105
MEMORY
KEY INF.
105a

Fig. 4

(a)


COMMUNICATION SERVICE PROVIDER SIDE DEVICE
701
SERVICE HISTORY DATABASE
702
USER DATABASE
AUTHENTICATION UNIT
704
SERVICE EXECUTION UNIT
MATCHING EXECUTION UNIT
707
GUARANTEE SYSTEM COOPERATION UNIT
708
706
ANALYSIS UNIT
705
COMM. I/F
703
7

(b)

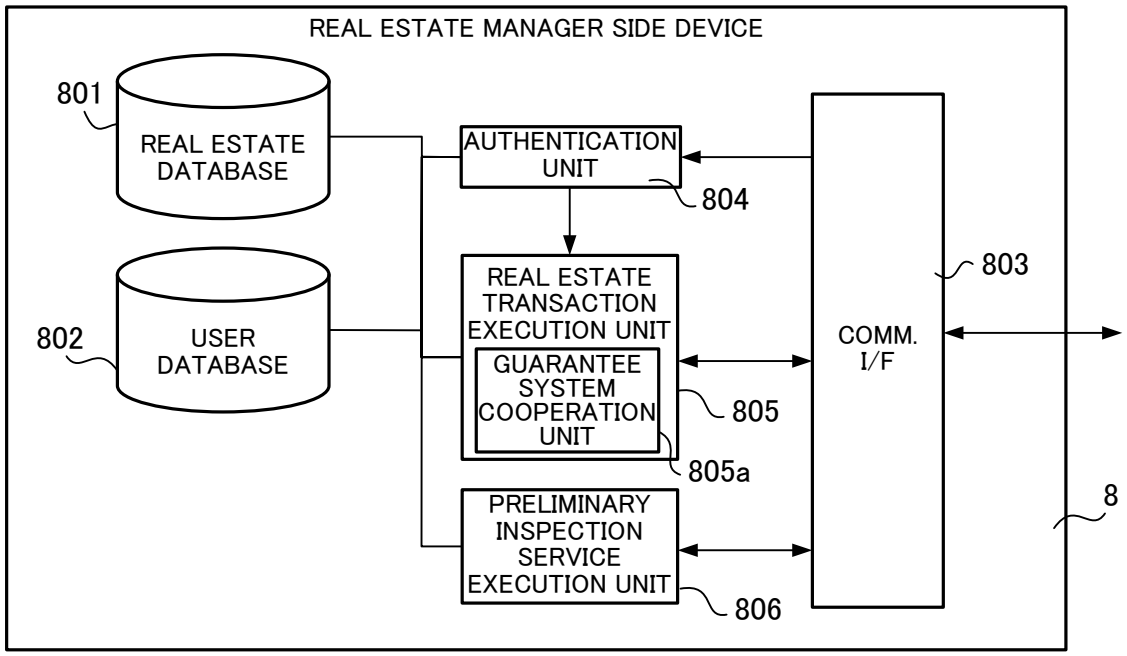

REAL ESTATE MANAGER SIDE DEVICE
801
REAL ESTATE DATABASE
802
USER DATABASE
AUTHENTICATION UNIT
804
REAL ESTATE TRANSACTION EXECUTION UNIT
GUARANTEE SYSTEM COOPERATION UNIT
805
805a
PRELIMINARY INSPECTION SERVICE EXECUTION UNIT
806
COMM. I/F
803
8

Fig. 5

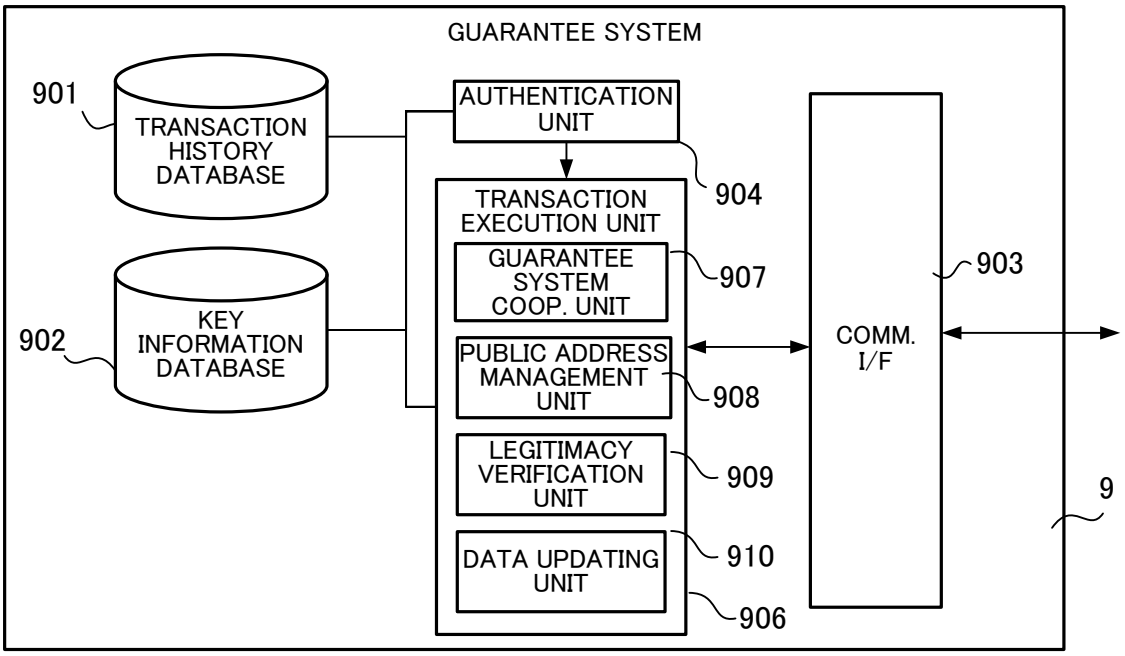
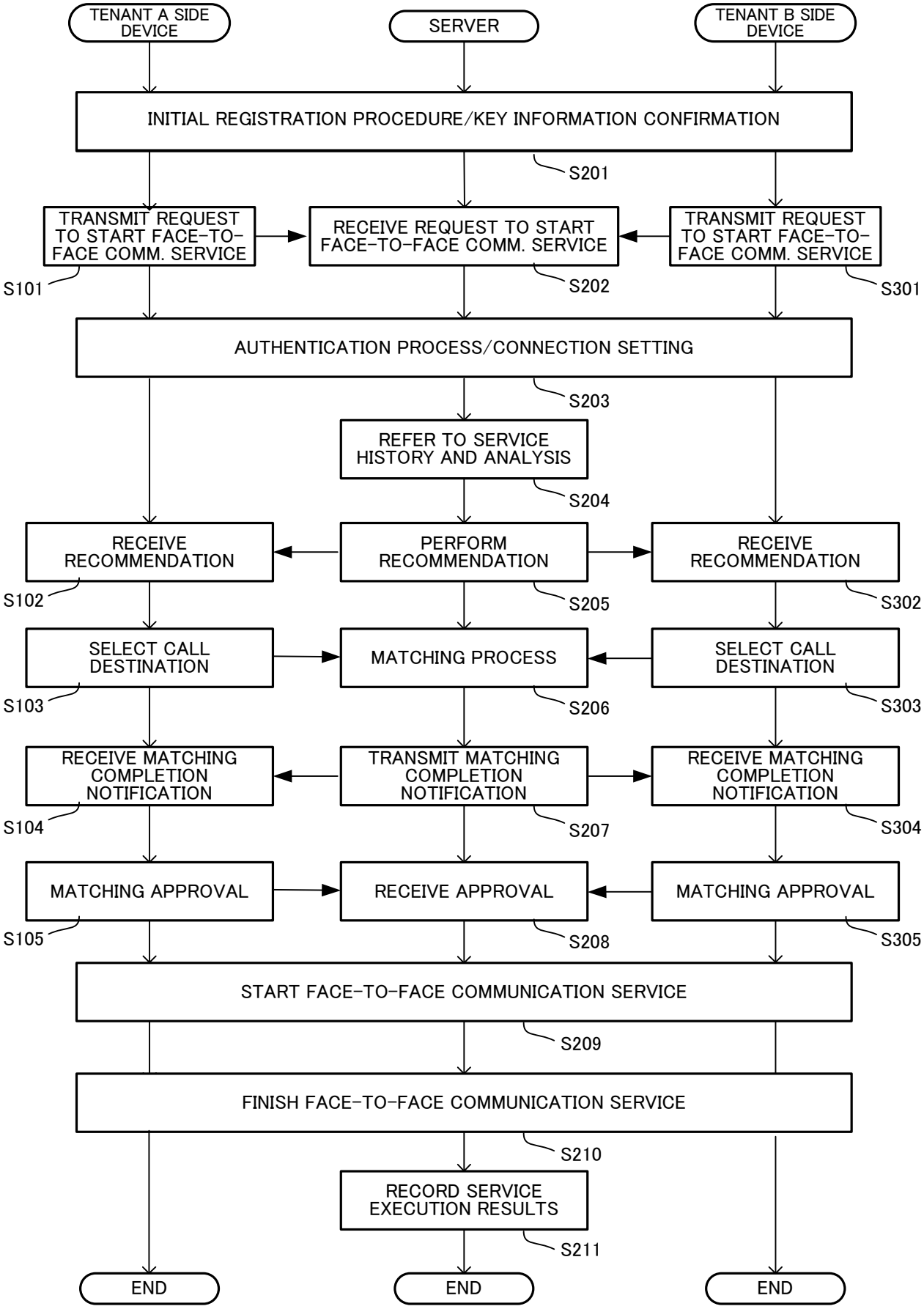

GUARANTEE SYSTEM
901
TRANSACTION HISTORY DATABASE
902
KEY INFORMATION DATABASE
AUTHENTICATION UNIT
904
TRANSACTION EXECUTION UNIT
GUARANTEE SYSTEM COOP. UNIT
907
PUBLIC ADDRESS MANAGEMENT UNIT
908
LEGITIMACY VERIFICATION UNIT
909
DATA UPDATING UNIT
910
906
COMM. I/F
903
9

Fig. 6


TENANT A SIDE DEVICE
SERVER
TENANT B SIDE DEVICE
INITIAL REGISTRATION PROCEDURE/KEY INFORMATION CONFIRMATION
S201
TRANSMIT REQUEST TO START FACE-TO-FACE COMM. SERVICE
RECEIVE REQUEST TO START FACE-TO-FACE COMM. SERVICE
TRANSMIT REQUEST TO START FACE-TO-FACE COMM. SERVICE
S101
S202
S301
AUTHENTICATION PROCESS/CONNECTION SETTING
S203
REFER TO SERVICE HISTORY AND ANALYSIS
S204
RECEIVE RECOMMENDATION
PERFORM RECOMMENDATION
RECEIVE RECOMMENDATION
S102
S205
S302
SELECT CALL DESTINATION
MATCHING PROCESS
SELECT CALL DESTINATION
S103
S206
S303
RECEIVE MATCHING COMPLETION NOTIFICATION
TRANSMIT MATCHING COMPLETION NOTIFICATION
RECEIVE MATCHING COMPLETION NOTIFICATION
S104
S207
S304
MATCHING APPROVAL
RECEIVE APPROVAL
MATCHING APPROVAL
S105
S208
S305
START FACE-TO-FACE COMMUNICATION SERVICE
S209
FINISH FACE-TO-FACE COMMUNICATION SERVICE
S210
RECORD SERVICE EXECUTION RESULTS
S211
END
END
END

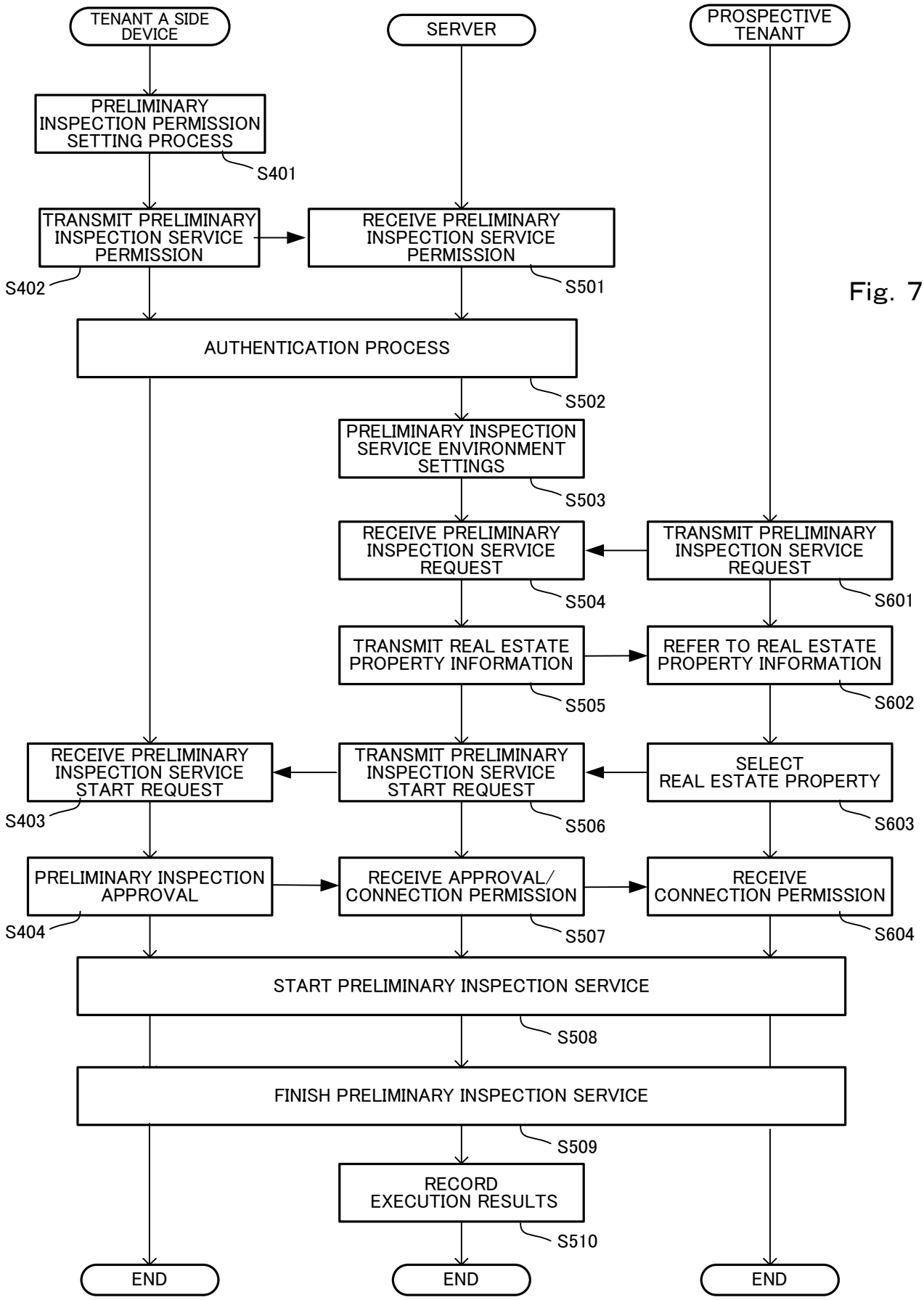

TENANT A SIDE DEVICE
SERVER
PROSPECTIVE TENANT
PRELIMINARY INSPECTION PERMISSION SETTING PROCESS
S401
TRANSMIT PRELIMINARY INSPECTION SERVICE PERMISSION
RECEIVE PRELIMINARY INSPECTION SERVICE PERMISSION
S402
S501
AUTHENTICATION PROCESS
S502
PRELIMINARY INSPECTION SERVICE ENVIRONMENT SETTINGS
S503
RECEIVE PRELIMINARY INSPECTION SERVICE REQUEST
TRANSMIT PRELIMINARY INSPECTION SERVICE REQUEST
S504
S601
TRANSMIT REAL ESTATE PROPERTY INFORMATION
REFER TO REAL ESTATE PROPERTY INFORMATION
S505
S602
RECEIVE PRELIMINARY INSPECTION SERVICE START REQUEST
TRANSMIT PRELIMINARY INSPECTION SERVICE START REQUEST
SELECT REAL ESTATE PROPERTY
S403
S506
S603
PRELIMINARY INSPECTION APPROVAL
RECEIVE APPROVAL/ CONNECTION PERMISSION
RECEIVE CONNECTION PERMISSION
S404
S507
S604
START PRELIMINARY INSPECTION SERVICE
S508
FINISH PRELIMINARY INSPECTION SERVICE
S509
RECORD EXECUTION RESULTS
S510
END
END
END

Fig. 7

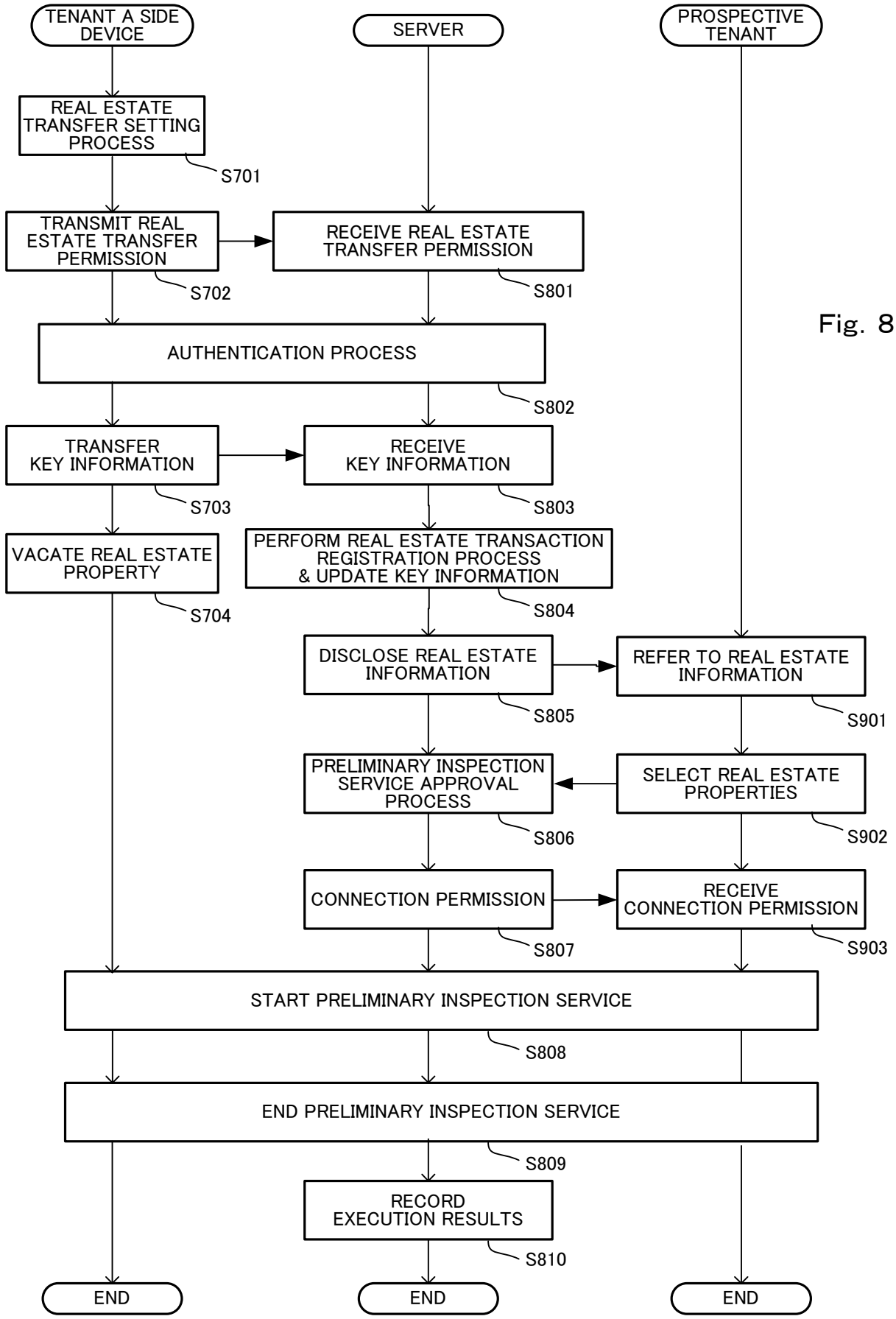

TENANT A SIDE DEVICE
SERVER
PROSPECTIVE TENANT
REAL ESTATE TRANSFER SETTING PROCESS
S701
TRANSMIT REAL ESTATE TRANSFER PERMISSION
RECEIVE REAL ESTATE TRANSFER PERMISSION
S702
S801
AUTHENTICATION PROCESS
S802
TRANSFER KEY INFORMATION
RECEIVE KEY INFORMATION
S703
S803
VACATE REAL ESTATE PROPERTY
PERFORM REAL ESTATE TRANSACTION REGISTRATION PROCESS & UPDATE KEY INFORMATION
S704
S804
DISCLOSE REAL ESTATE INFORMATION
REFER TO REAL ESTATE INFORMATION
S805
S901
PRELIMINARY INSPECTION SERVICE APPROVAL PROCESS
SELECT REAL ESTATE PROPERTIES
S806
S902
CONNECTION PERMISSION
RECEIVE CONNECTION PERMISSION
S807
S903
START PRELIMINARY INSPECTION SERVICE
S808
END PRELIMINARY INSPECTION SERVICE
S809
RECORD EXECUTION RESULTS
S810
END
END
END

Fig. 8

Fig. 9

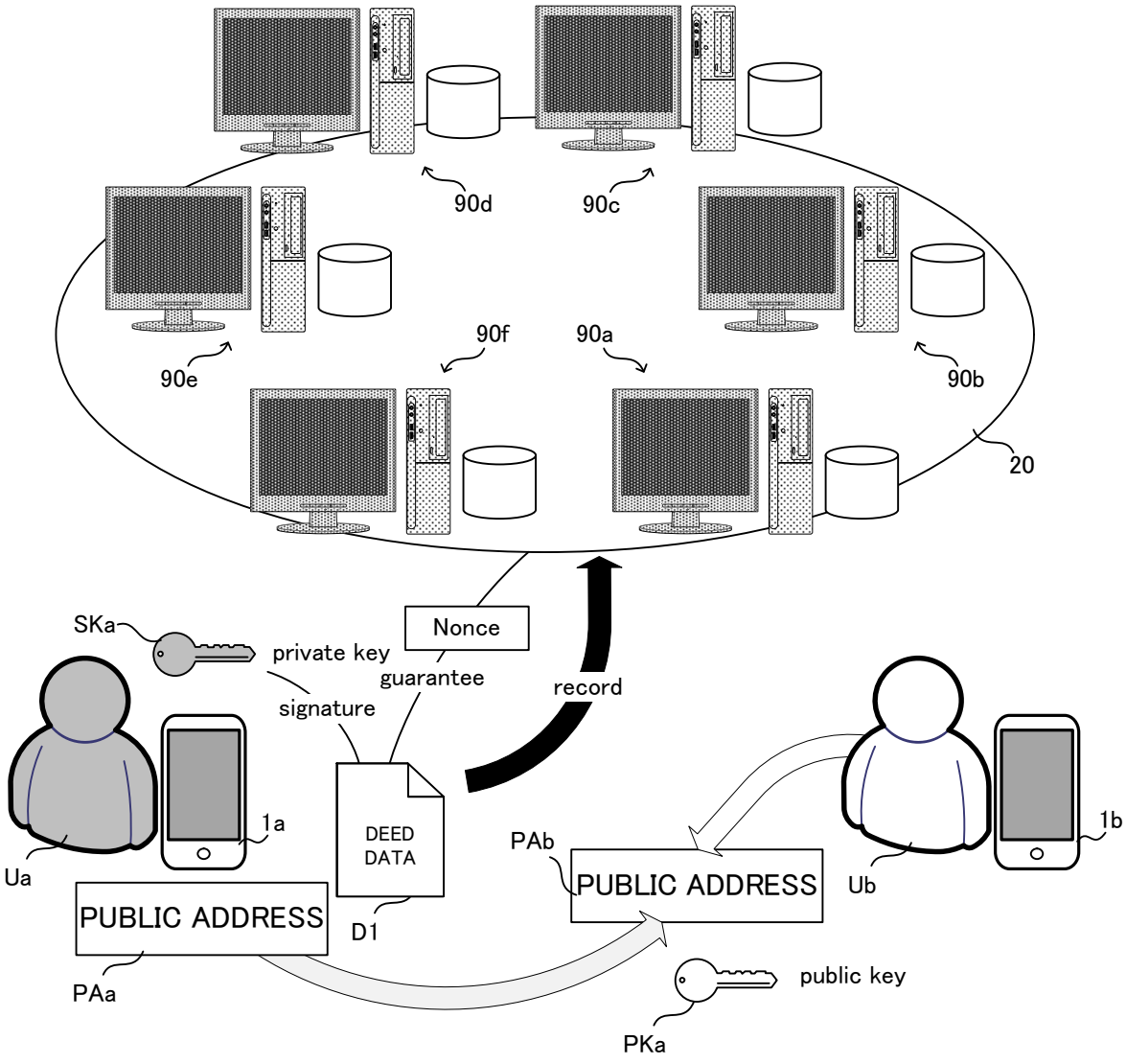

90d
90c
90e
90f
90a
90b
20
SKa
private key
Nonce
guarantee
signature
record
1a
Ua
DEED
DATA
D1
PUBLIC ADDRESS
PAa
PAb
PUBLIC ADDRESS
Ub
1b
public key
PKa

Fig. 10

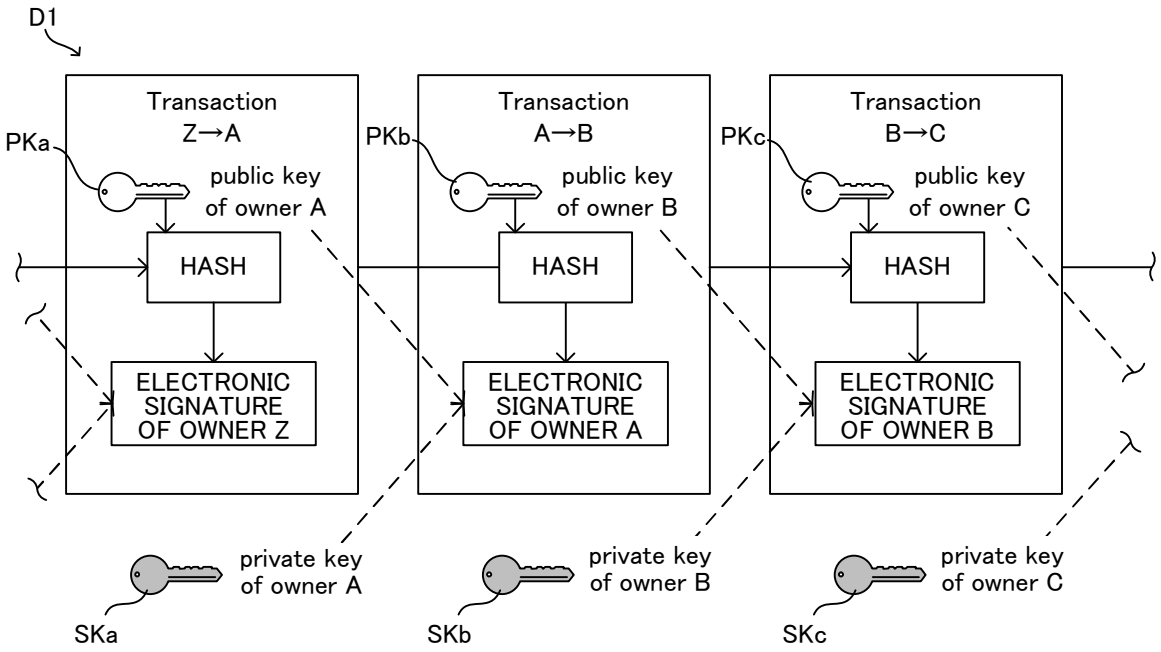


Fig. 11

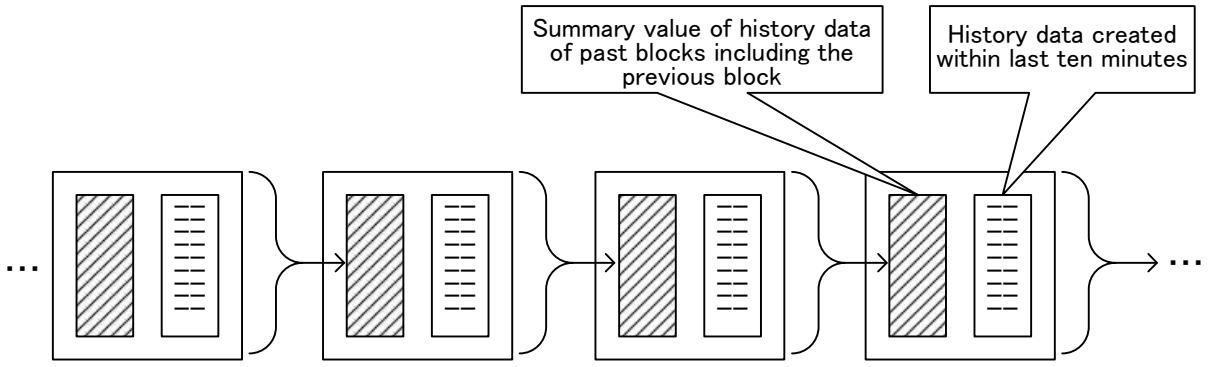


Fig. 12

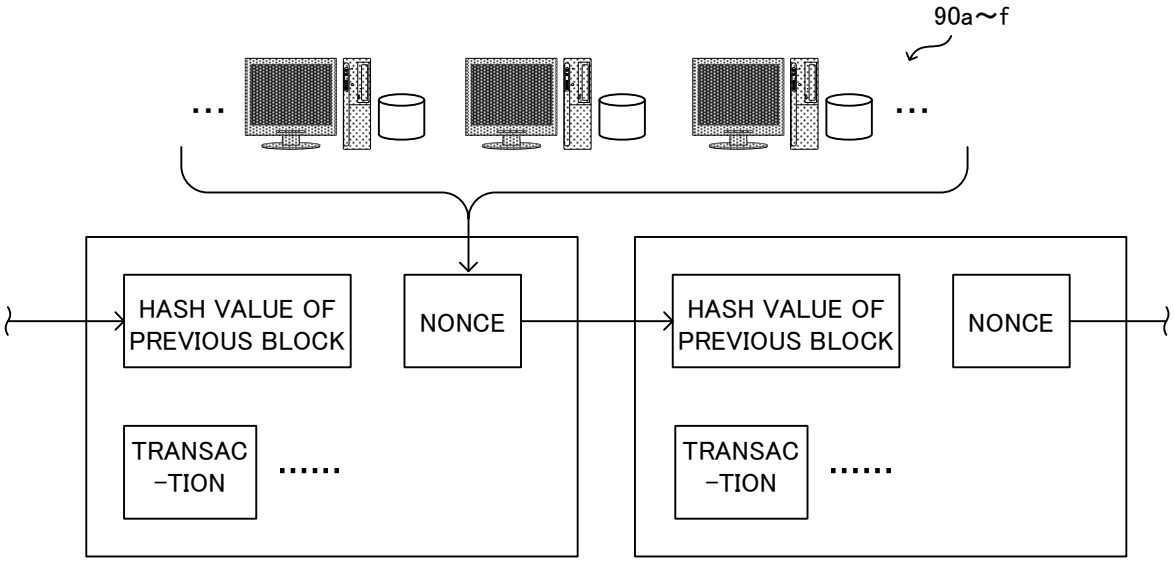


Fig. 13

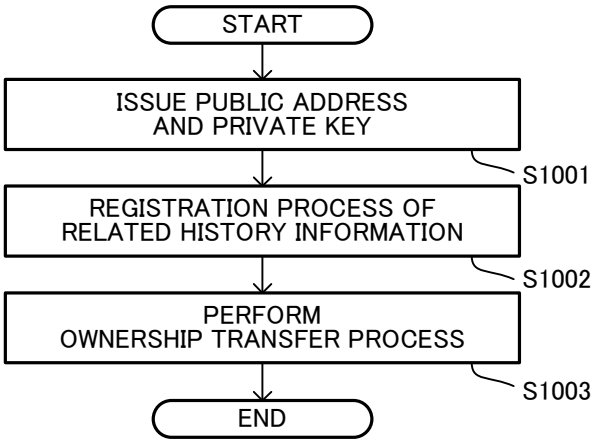
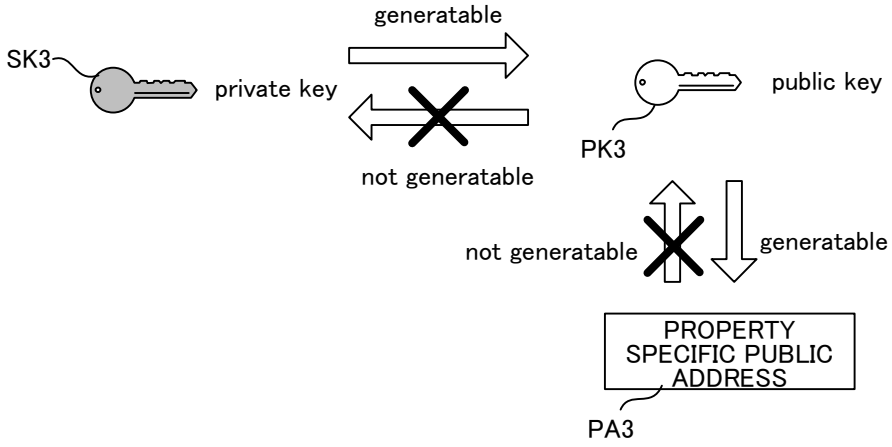

START
ISSUE PUBLIC ADDRESS AND PRIVATE KEY
S1001
REGISTRATION PROCESS OF RELATED HISTORY INFORMATION
S1002
PERFORM OWNERSHIP TRANSFER PROCESS
S1003
END

Fig. 14


SK3
private key
generatable
not generatable
PK3
public key
not generatable
generatable
PROPERTY SPECIFIC PUBLIC ADDRESS
PA3

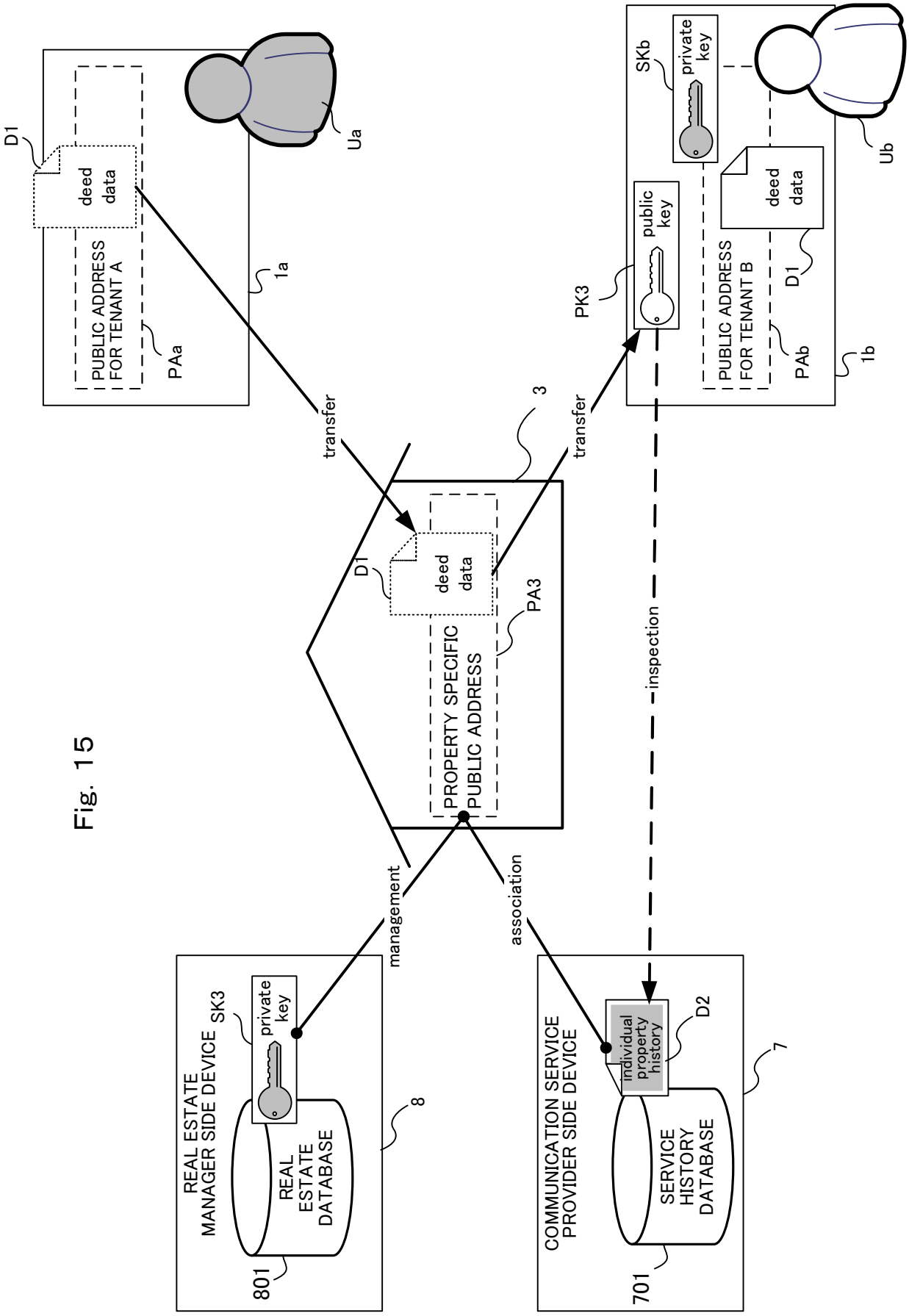

D1
deed data
PUBLIC ADDRESS FOR TENANT A
PAa
1a
Ua
transfer
3
PROPERTY SPECIFIC PUBLIC ADDRESS
PA3
D1
deed data
transfer
PK3
public key
SKb
private key
PUBLIC ADDRESS FOR TENANT B
PAb
D1
deed data
1b
Ub
inspection
management
association
REAL ESTATE MANAGER SIDE DEVICE
SK3
private key
REAL ESTATE DATABASE
801
8
COMMUNICATION SERVICE PROVIDER SIDE DEVICE
individual property history
D2
SERVICE HISTORY DATABASE
701
7

Fig. 15