FIG. 1

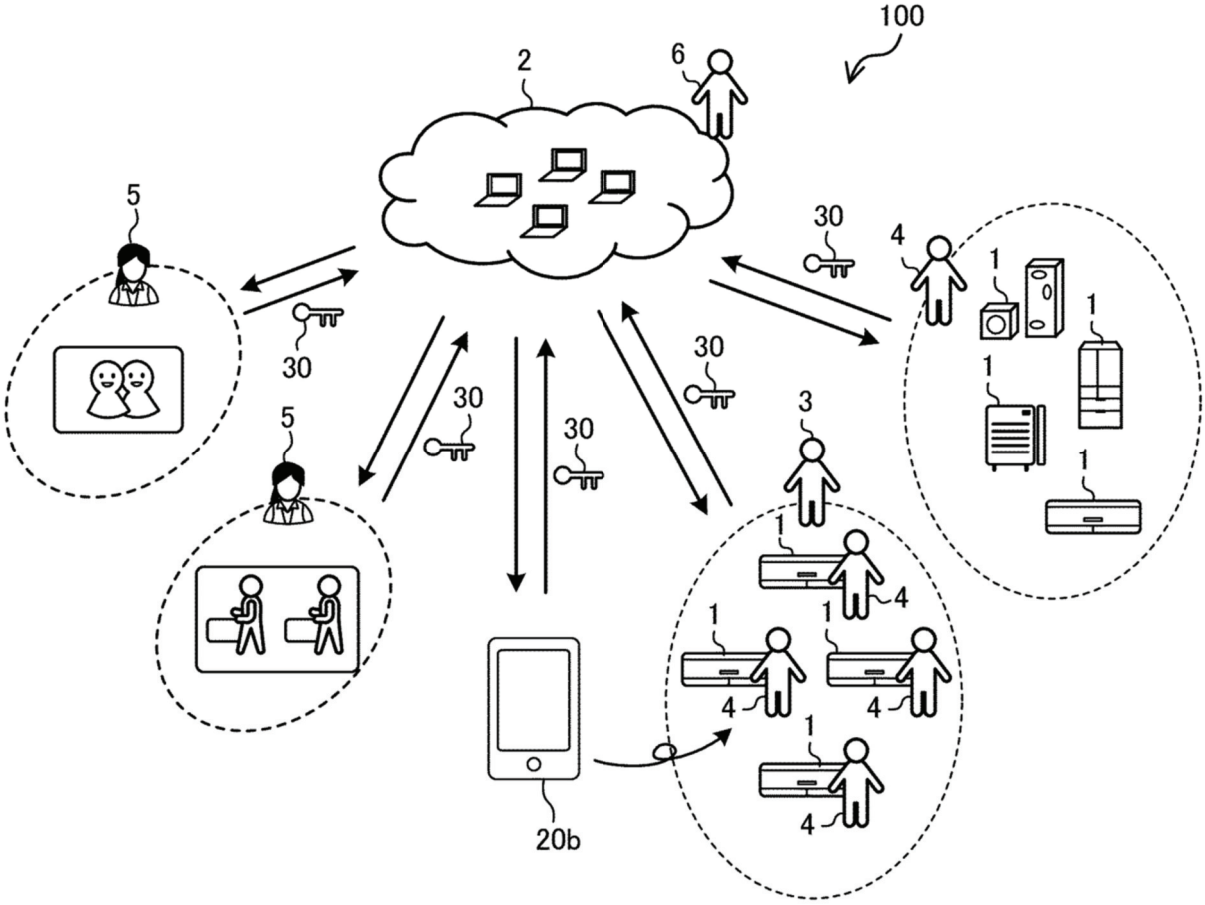

FIG. 2

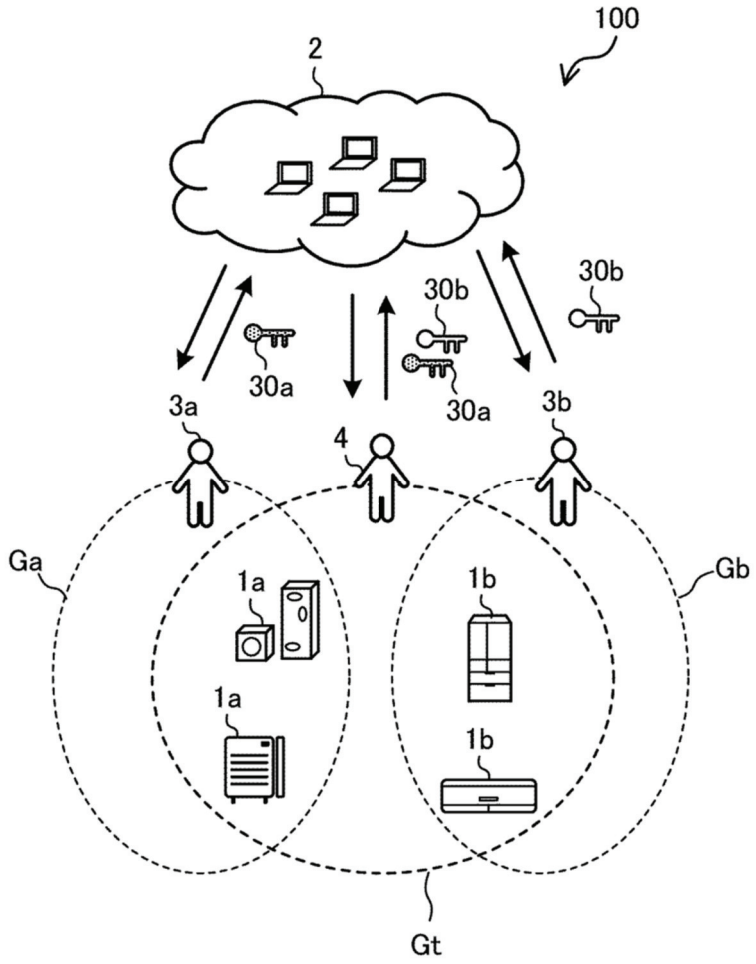

FIG. 3

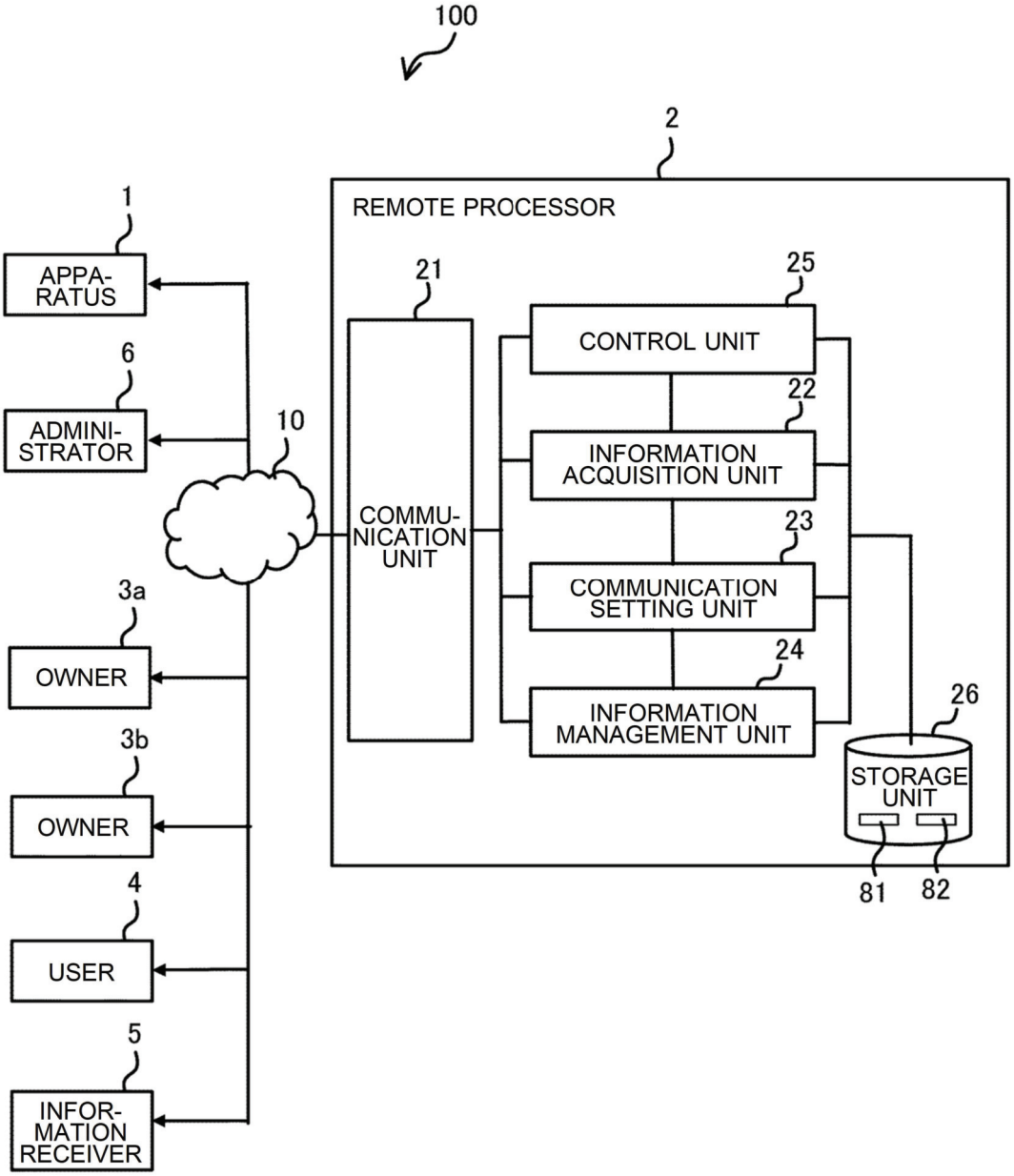
100
2
REMOTE PROCESSOR
1
APPA-
RATUS
6
ADMINI-
STRATOR
10
3a
OWNER
3b
OWNER
4
USER
5
INFOR-
MATION
RECEIVER
21
COMMU-
NICATION
UNIT
25
CONTROL UNIT
22
INFORMATION
ACQUISITION UNIT
23
COMMUNICATION
SETTING UNIT
24
INFORMATION
MANAGEMENT UNIT
26
STORAGE
UNIT
81
82

FIG. 4

81

	3a	3b	4
1a	MASTER	–	SLAVE
1b	–	MASTER	SLAVE

FIG. 5

82

	INFOR-MATION A	INFOR-MATION B	INFOR-MATION C
MASTER	ACQUISITION ALLOWED	ACQUISITION ALLOWED	ACQUISITION ALLOWED
SLAVE	×	×	ACQUISITION ALLOWED
–	×	×	×

FIG. 6

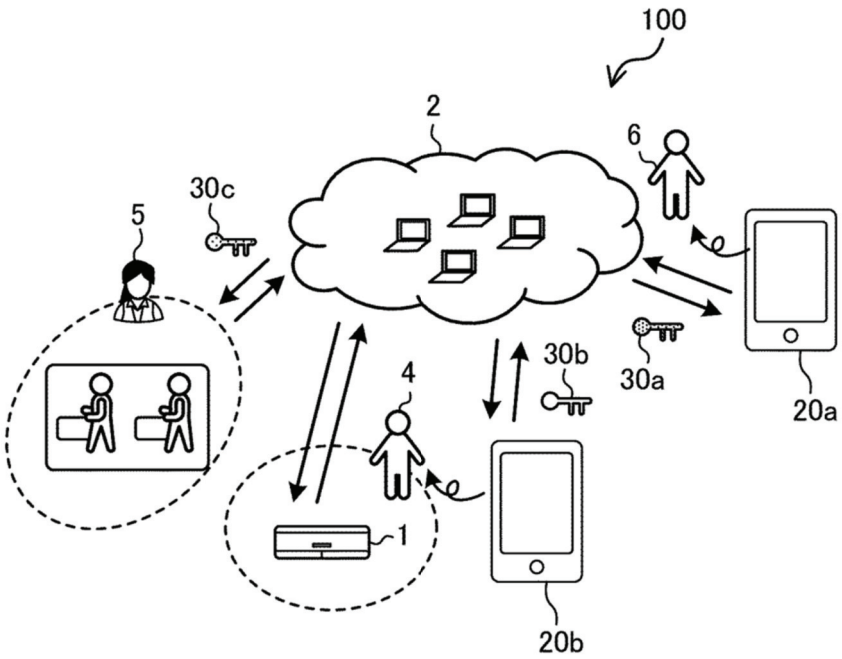

FIG. 7

81

	4	5	6
1	MASTER/ SLAVE (1)	SLAVE (2)	MASTER (0)

FIG. 8

82

	INFOR-MATION A	INFOR-MATION B	INFOR-MATION C
MASTER (0)	ACQUISITION ALLOWED	ACQUISITION ALLOWED	ACQUISITION ALLOWED
MASTER/ SLAVE (1)	×	ACQUISITION ALLOWED	ACQUISITION ALLOWED
SLAVE (2)	×	×	ACQUISITION ALLOWED

FIG. 9

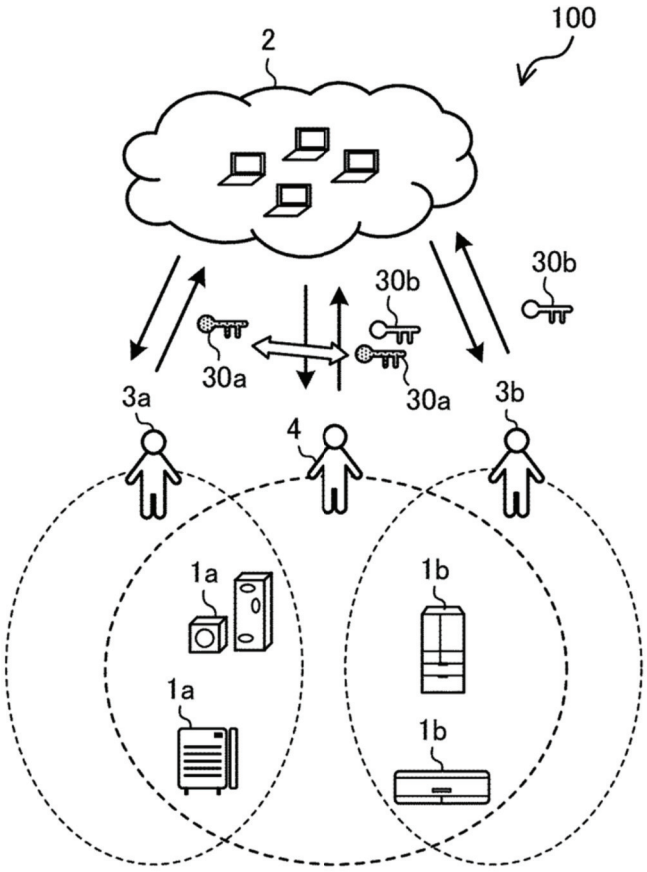

FIG. 10

81

	3a	3b	4
1a	MASTER	–	SLAVE
1b	–	MASTER	SLAVE

81

	3a	3b	4
1a	SLAVE	–	MASTER
1b	–	MASTER	SLAVE

FIG. 11

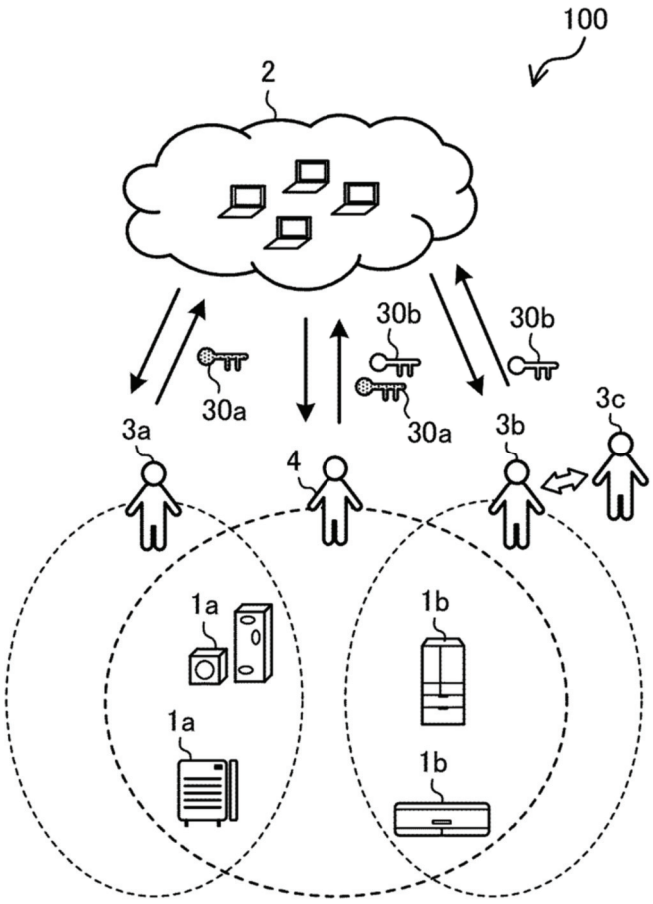

FIG. 12

81

	3a	3b	3c	4
1a	MASTER	–	–	SLAVE
1b	–	MASTER	–	SLAVE

81

	3a	3b	3c	4
1a	MASTER	–	–	SLAVE
1b	–	–	MASTER	SLAVE

FIG. 13

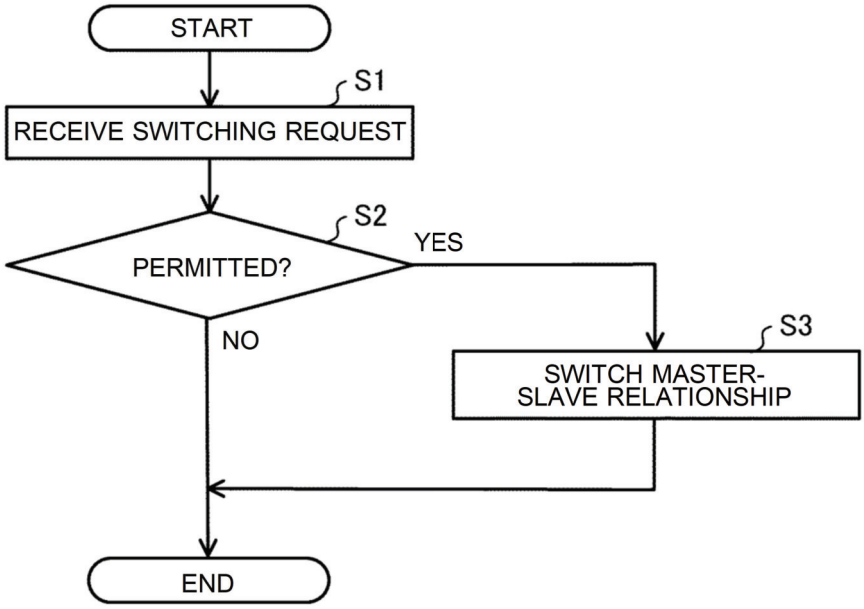

FIG. 14

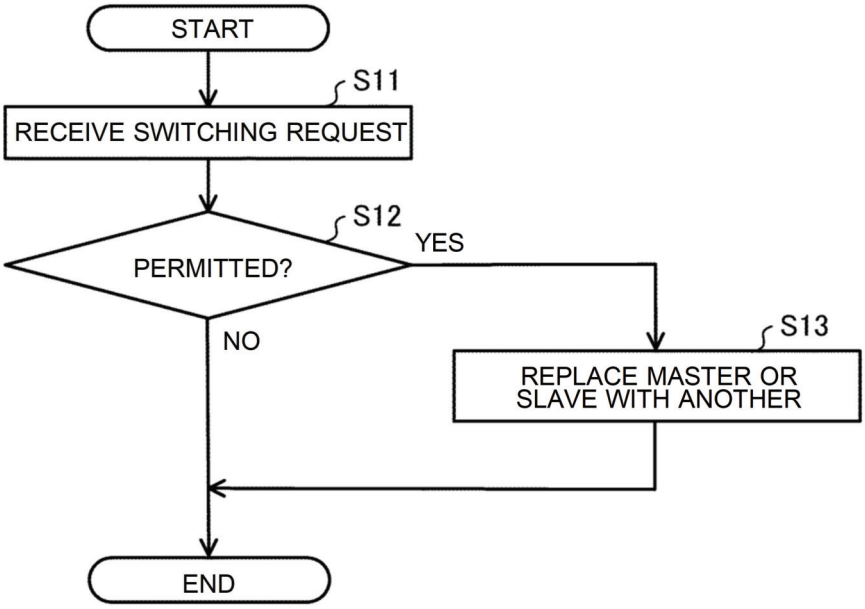

FIG. 15

83

	SWITCHING	REPLACE-MENT
1a	DENY	DENY
1b	ALLOW	ALLOW

FIG. 16

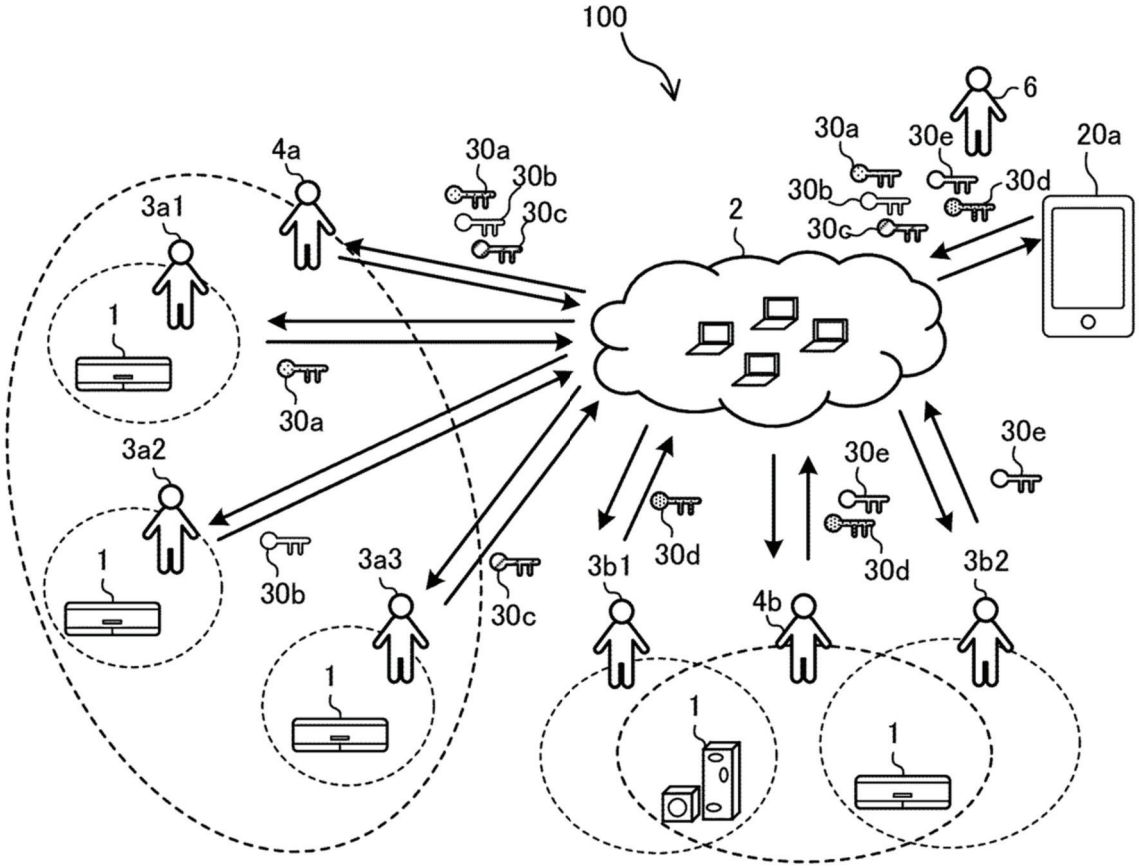
100
6
30a
30e
20a
30b
30d
30c
4a
30a
30b
30c
2
3a1
1
30a
3a2
30e
30e
30d
30d
1
30b
3a3
30c
3b1
4b
3b2
1
1
1

FIG. 17

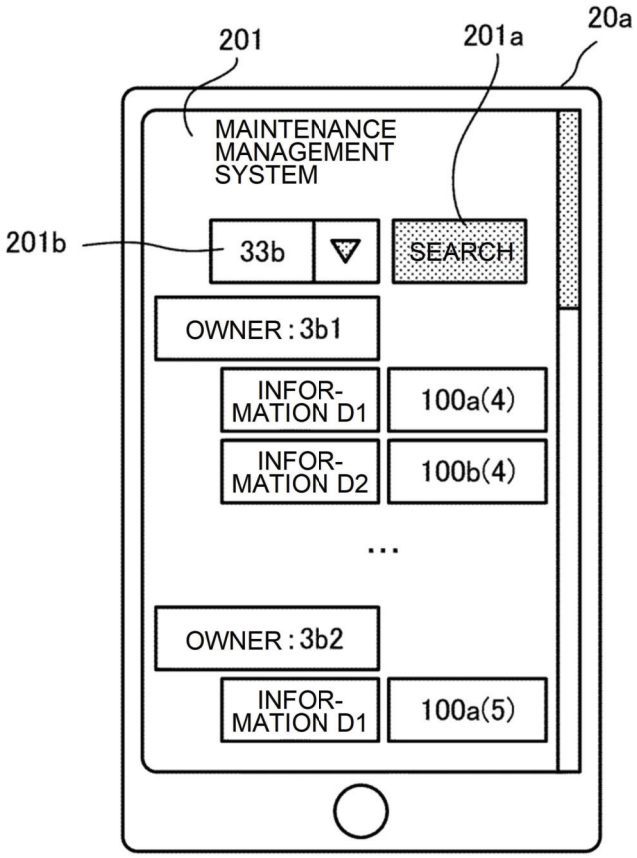

FIG. 18

84

AUTHENTICA-TION KEY 30	OWNER 3	SEARCH CODE SS1	SEARCH CODE SS2	...	INFOR-MATION D1	INFOR-MATION D2	...
30a	3a1	33a	33(1)a	...	100a(1)	100b(1)	...
30b	3a2	33a	33(2)a	...	100a(2)	100b(2)	...
30c	3a3	33a	33(3)a	...	100a(3)	100b(3)	...
30d	3b1	33b	33(1)a	...	100a(4)	100b(4)	...
30e	3b2	33b	33(2)a	...	100a(5)	100b(5)	...