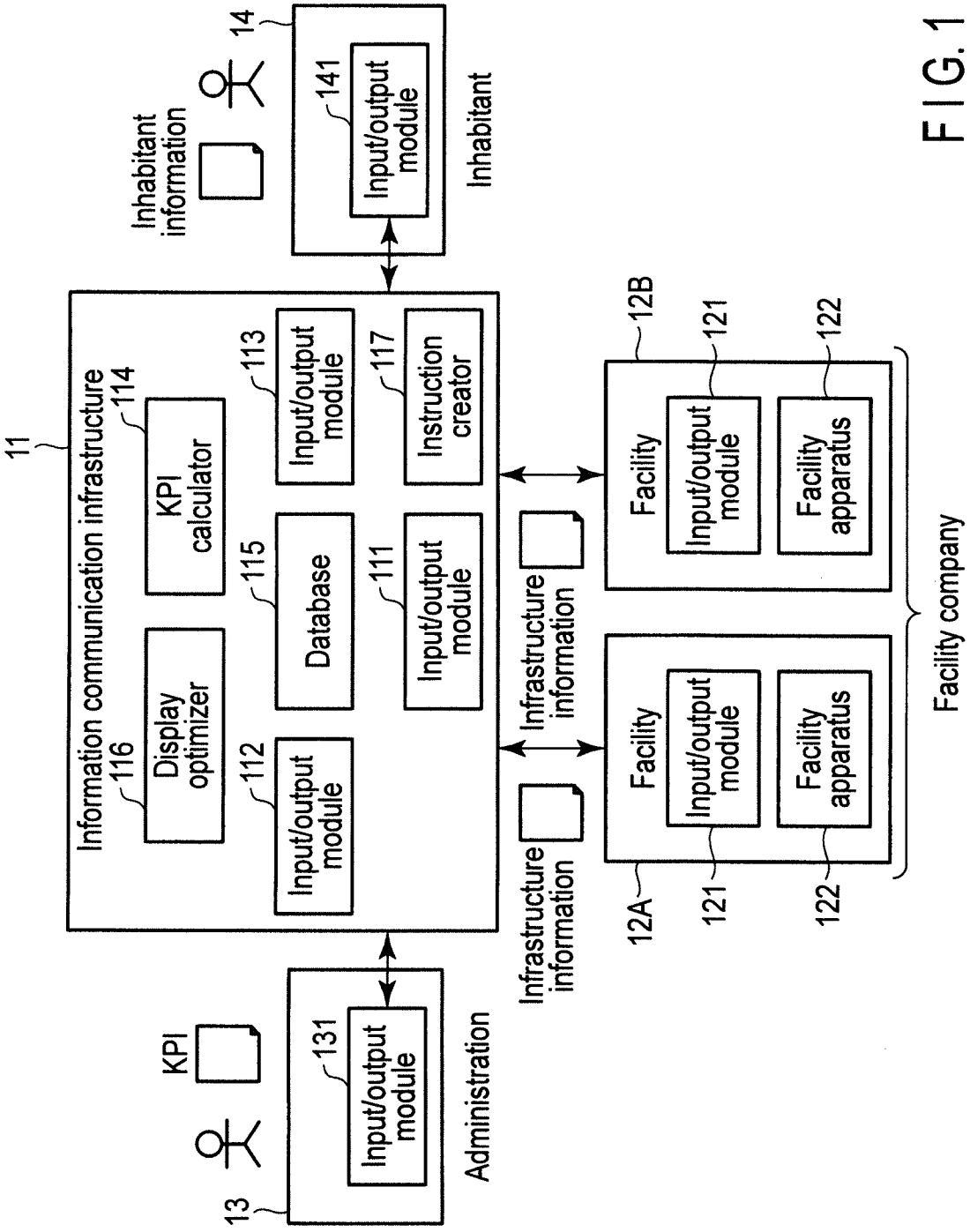

11
Information communication infrastructure
114
KPI calculator
113
Input/output module
117
Instruction creator
116
Display optimizer
115
Database
111
Input/output module
112
Input/output module
Inhabitant information
14
141
Input/output module
Inhabitant
Infrastructure information
Infrastructure information
12B
Facility
121
Input/output module
122
Facility apparatus
12A
Facility
121
Input/output module
122
Facility apparatus
Facility company
KPI
13
131
Input/output module
Administration

FIG. 1

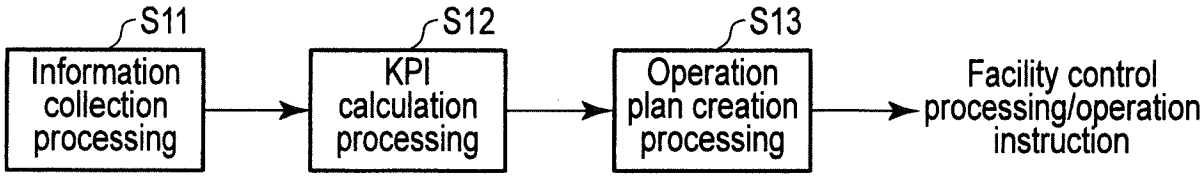


FIG. 2

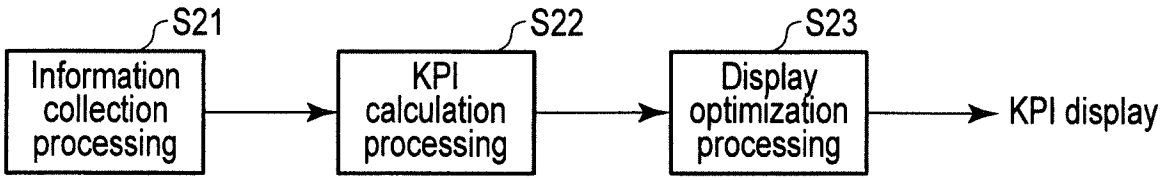


FIG. 3

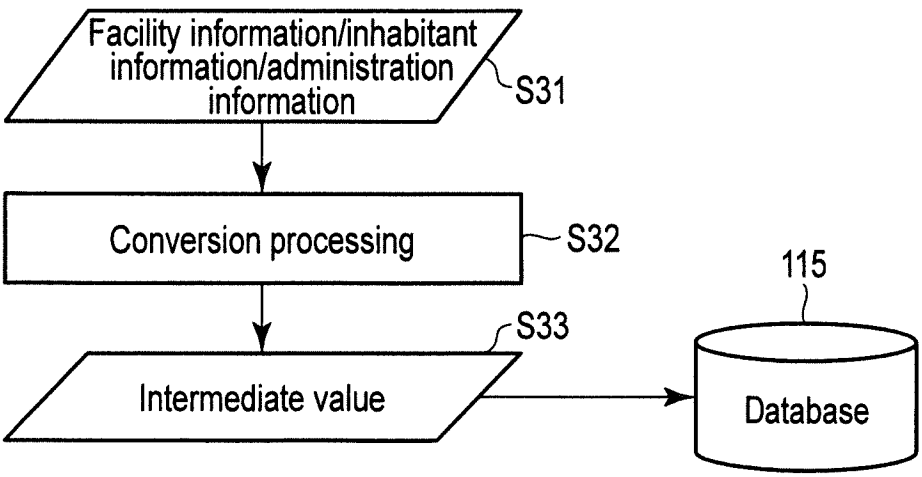


FIG. 4

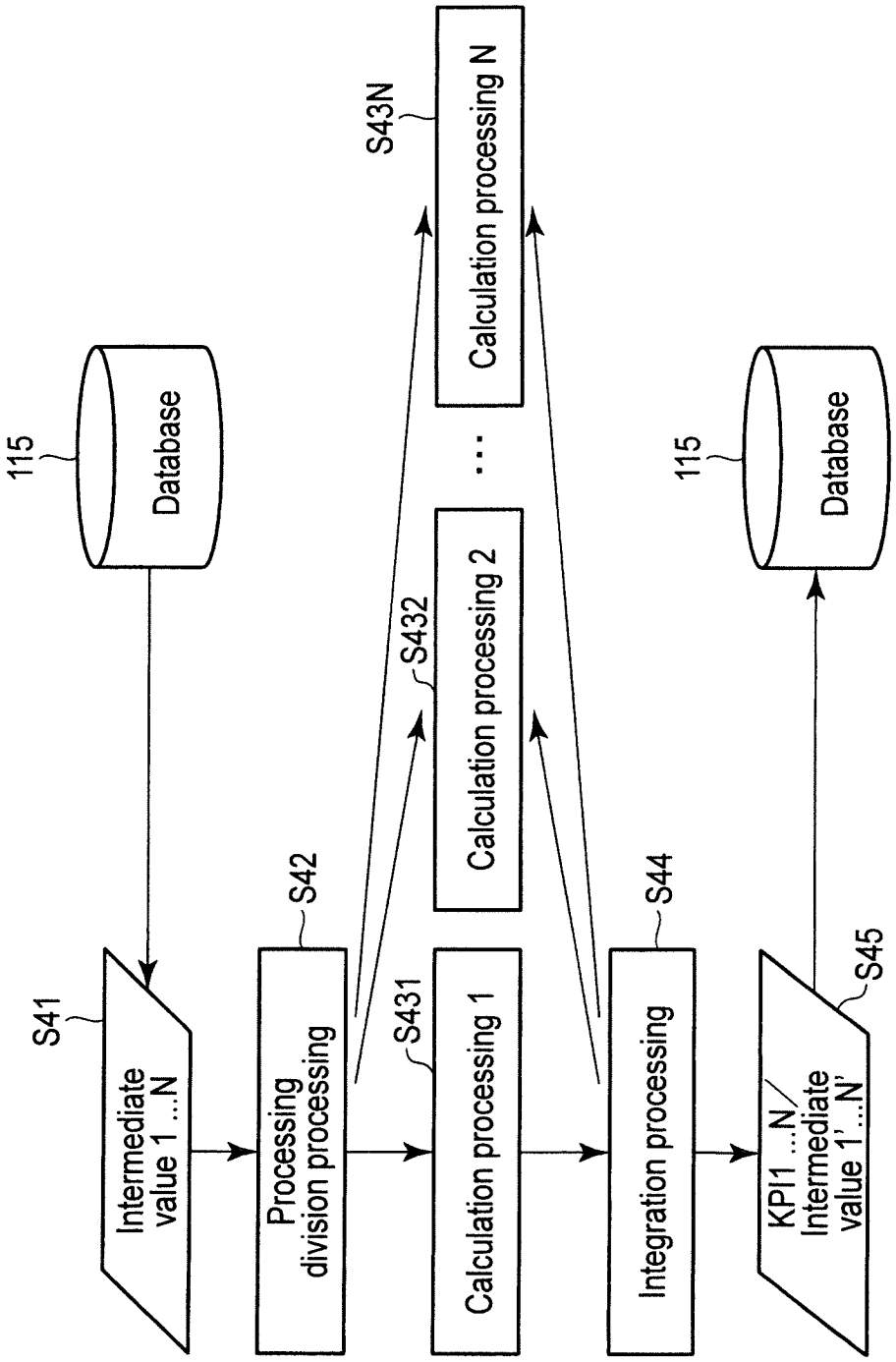

115
Database
S41
Intermediate value 1 ...N
S42
Processing division processing
S431
Calculation processing 1
S432
Calculation processing 2
...
S43N
Calculation processing N
S44
Integration processing
115
Database
S45
KPI1 ...N/ Intermediate value 1' ...N'

FIG. 5

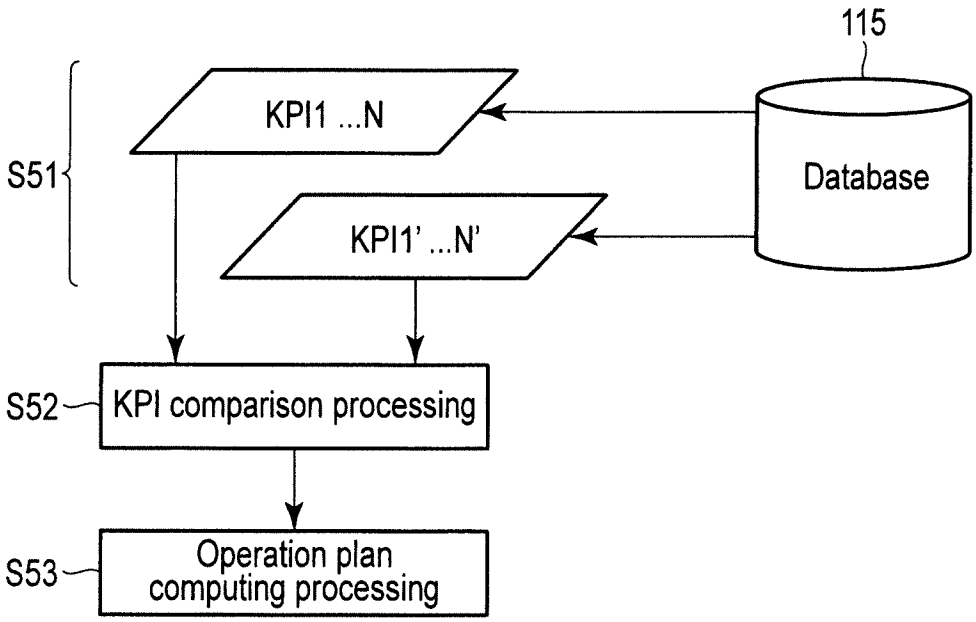

115
KPI1 ...N
Database
S51
KPI1' ...N'
S52
KPI comparison processing
S53
Operation plan computing processing

FIG. 6

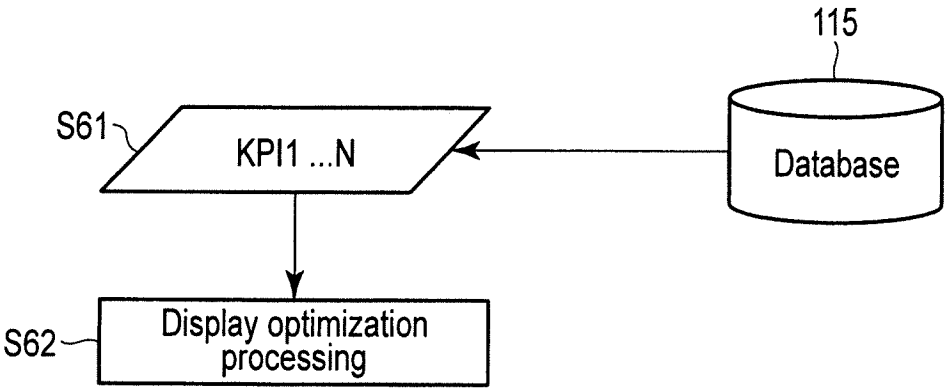

115
S61
KPI1 ...N
Database
S62
Display optimization processing

FIG. 7

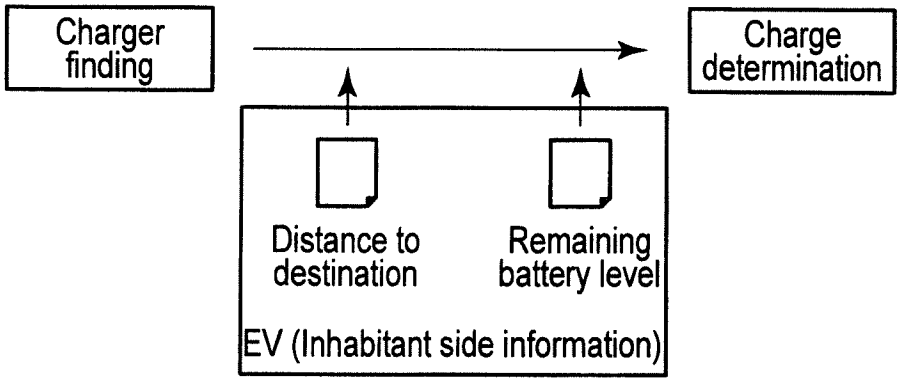

Charger finding
Charge determination
Distance to destination
Remaining battery level
EV (Inhabitant side information)

FIG. 8

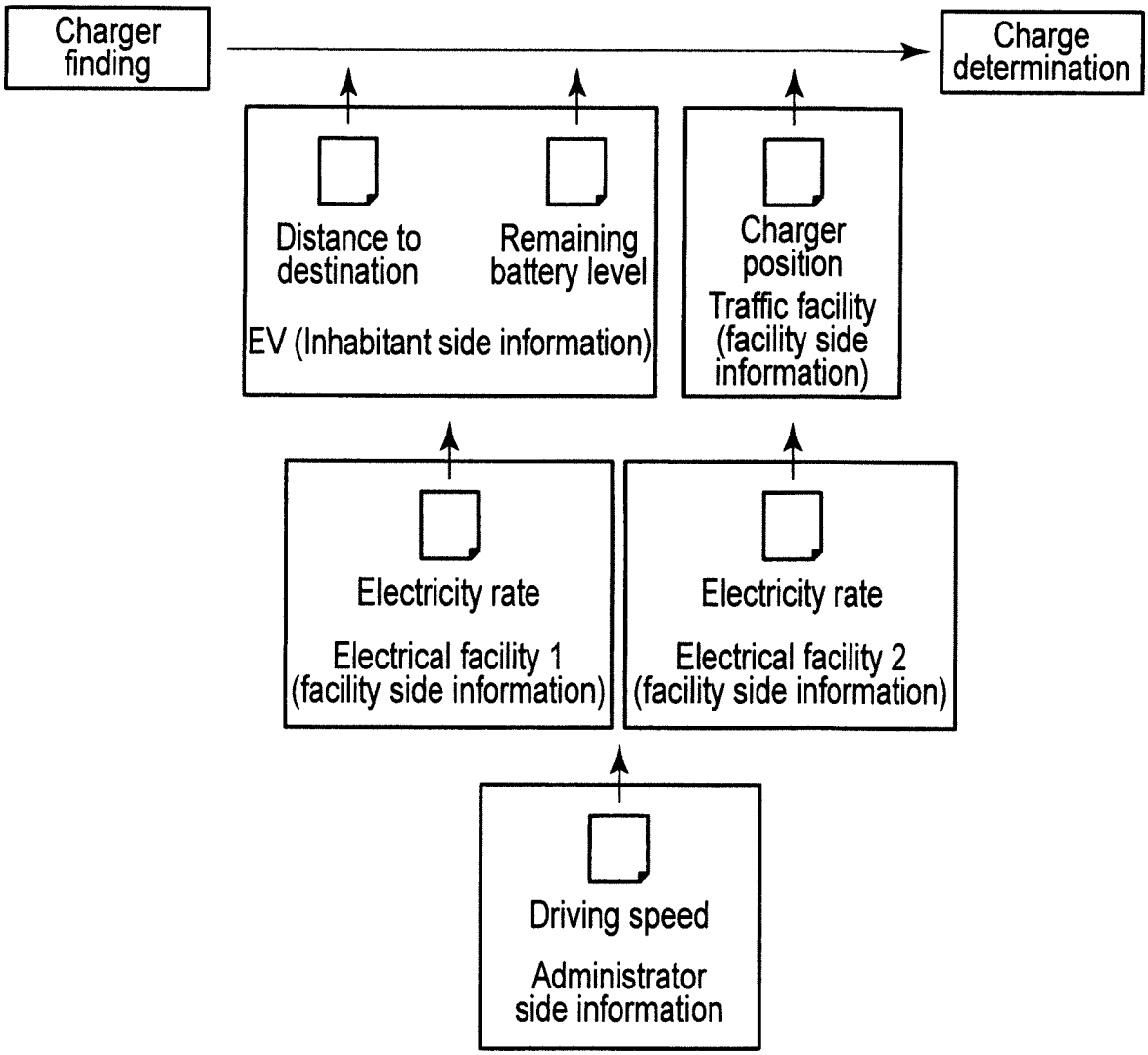

Charger finding
Charge determination
Distance to destination
Remaining battery level
EV (Inhabitant side information)
Charger position
Traffic facility (facility side information)
Electricity rate
Electrical facility 1 (facility side information)
Electricity rate
Electrical facility 2 (facility side information)
Driving speed
Administrator side information

FIG. 9

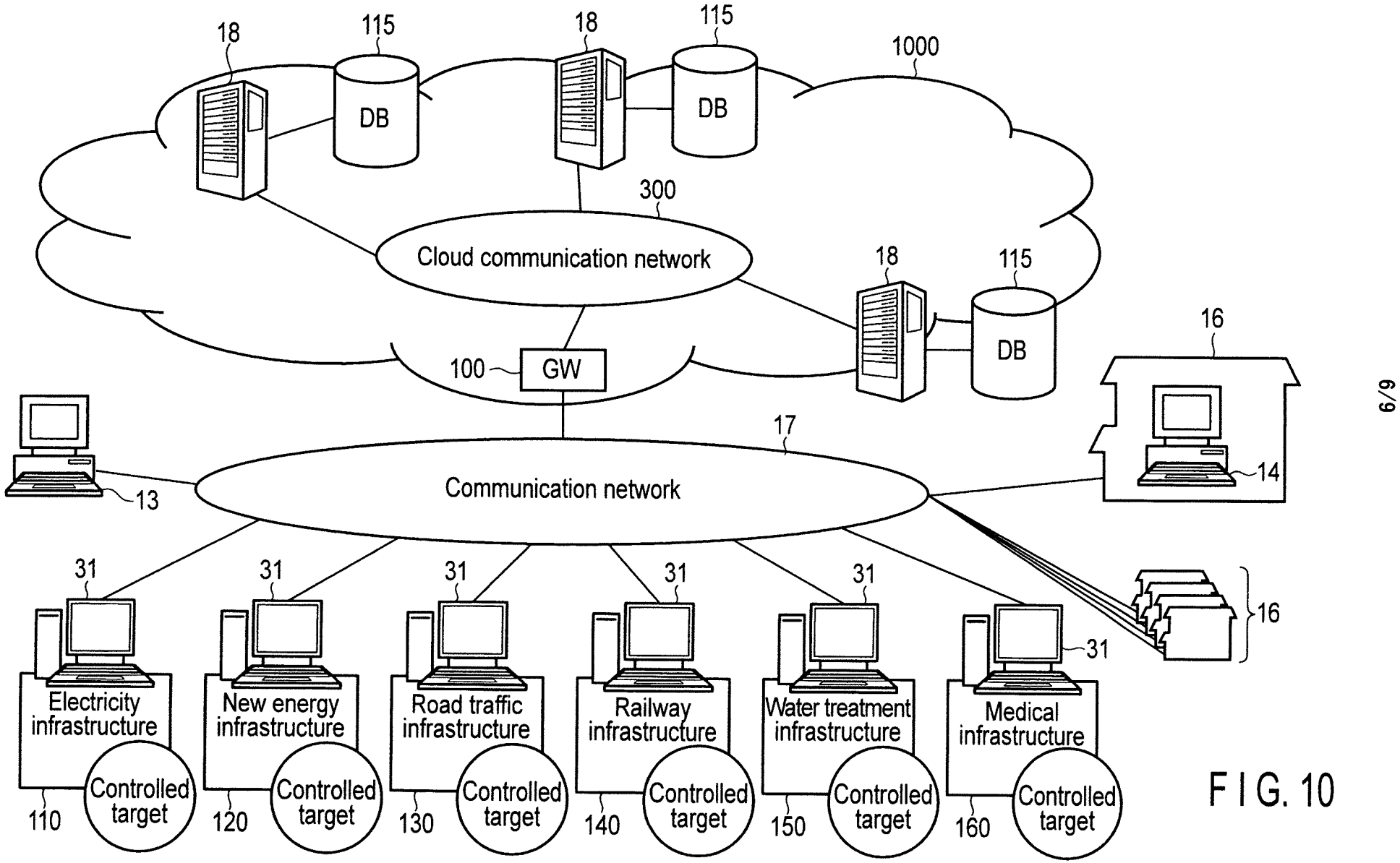
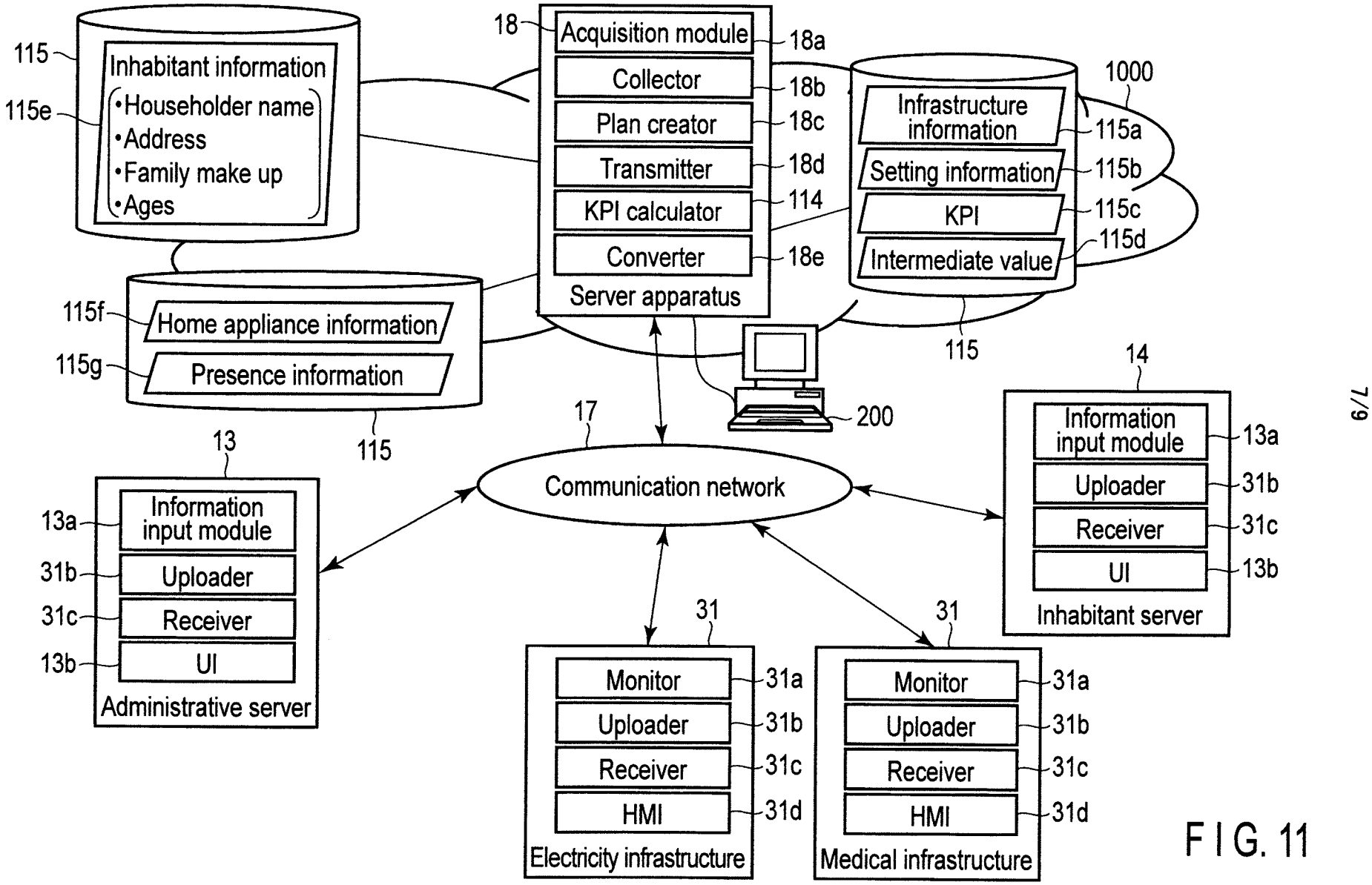

18
115
DB
18
115
DB
1000
300
Cloud communication network
18
115
DB
16
100
GW
17
Communication network
13
14
16
31
31
31
31
31
31
Electricity infrastructure
New energy infrastructure
Road traffic infrastructure
Railway infrastructure
Water treatment infrastructure
Medical infrastructure
Controlled target
Controlled target
Controlled target
Controlled target
Controlled target
Controlled target
110
120
130
140
150
160

FIG. 10


115
Inhabitant information
115e
•Householder name
•Address
•Family make up
•Ages
18
Acquisition module
18a
Collector
18b
Plan creator
18c
Transmitter
18d
KPI calculator
114
Converter
18e
Server apparatus
1000
Infrastructure information
115a
Setting information
115b
KPI
115c
Intermediate value
115d
115
115f
Home appliance information
115g
Presence information
115
200
14
Information input module
13a
Uploader
31b
Receiver
31c
UI
13b
Inhabitant server
17
Communication network
13
13a
Information input module
31b
Uploader
31c
Receiver
13b
UI
Administrative server
31
Monitor
31a
Uploader
31b
Receiver
31c
HMI
31d
Electricity infrastructure
31
Monitor
31a
Uploader
31b
Receiver
31c
HMI
31d
Medical infrastructure

F I G. 11

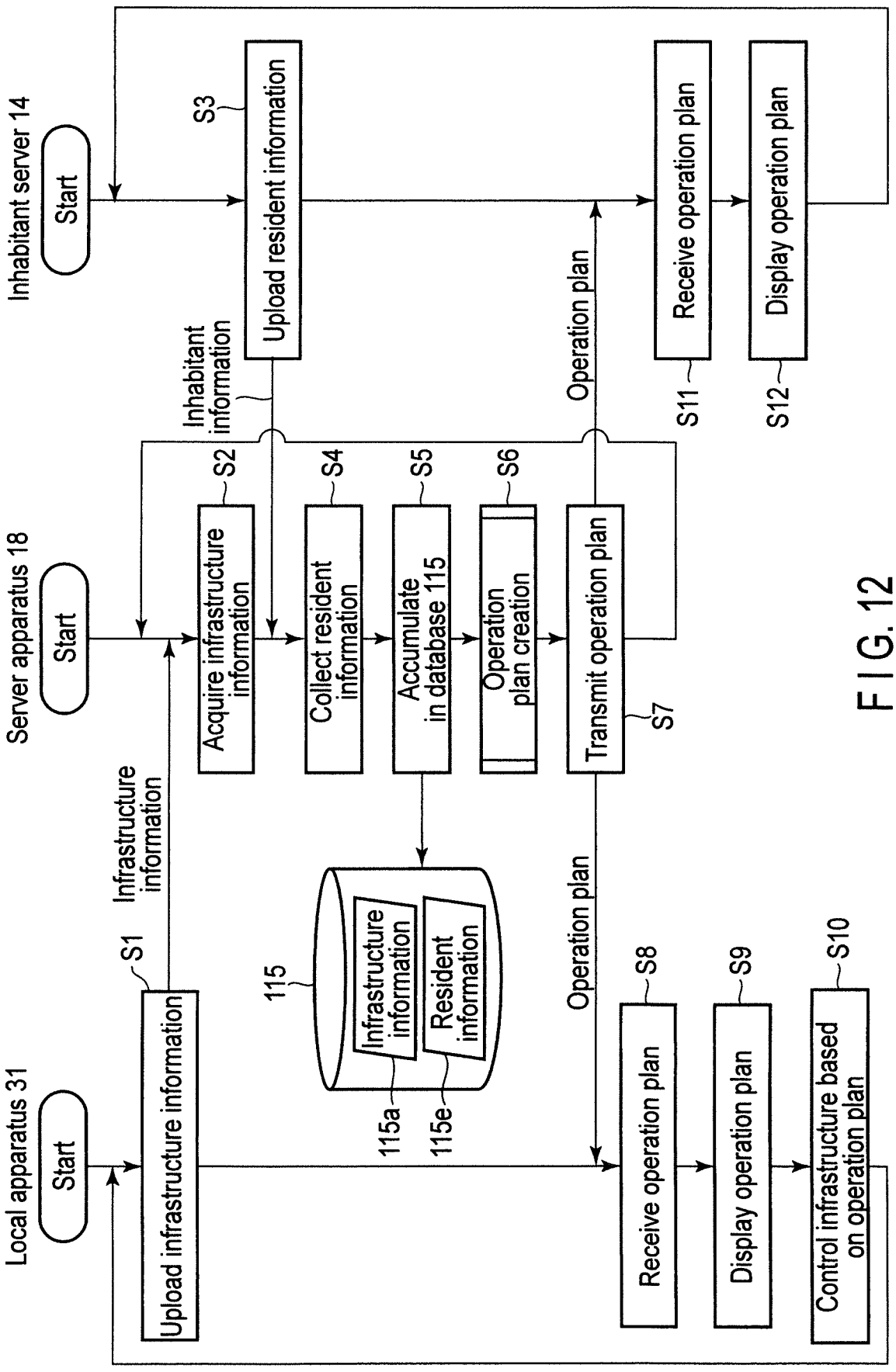

Local apparatus 31
Start
Upload infrastructure information
S1
Infrastructure information
Server apparatus 18
Start
Acquire infrastructure information
S2
Inhabitant information
Collect resident information
S4
Accumulate in database 115
S5
Operation plan creation
S6
Transmit operation plan
S7
115
Infrastructure information
Resident information
115a
115e
Operation plan
Receive operation plan
S8
Display operation plan
S9
Control infrastructure based on operation plan
S10
Inhabitant server 14
Start
Upload resident information
S3
Operation plan
Receive operation plan
S11
Display operation plan
S12

FIG. 12

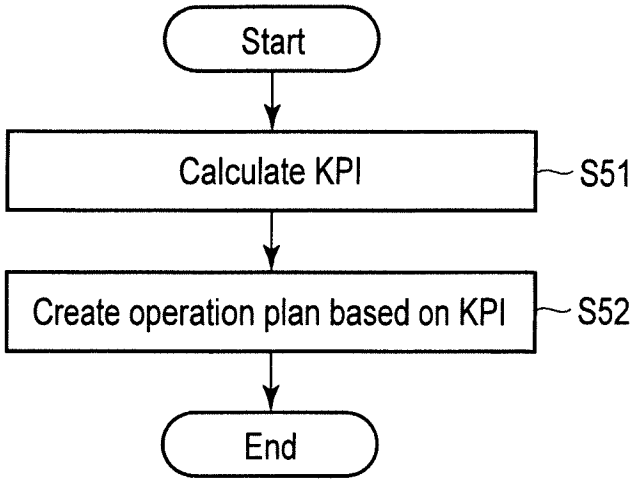

Start
Calculate KPI
S51
Create operation plan based on KPI
S52
End

FIG. 13

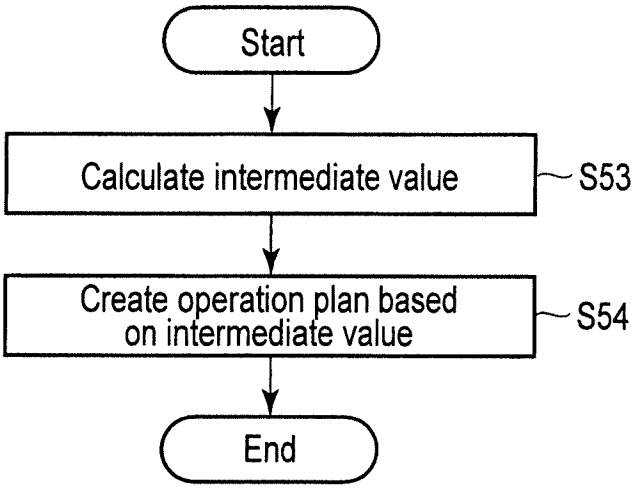

Start
Calculate intermediate value
S53
Create operation plan based on intermediate value
S54
End

FIG. 14