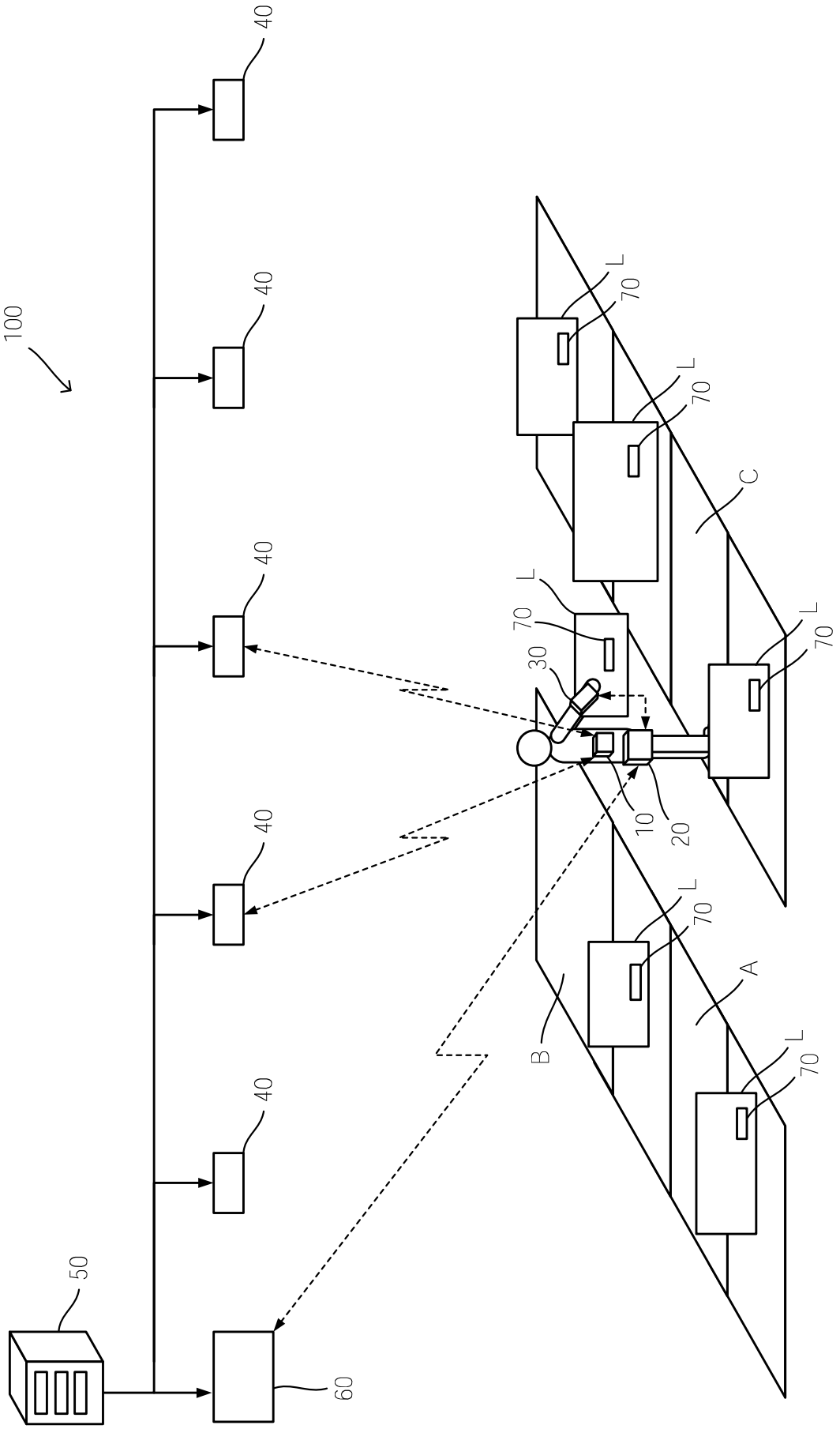


FIG.1

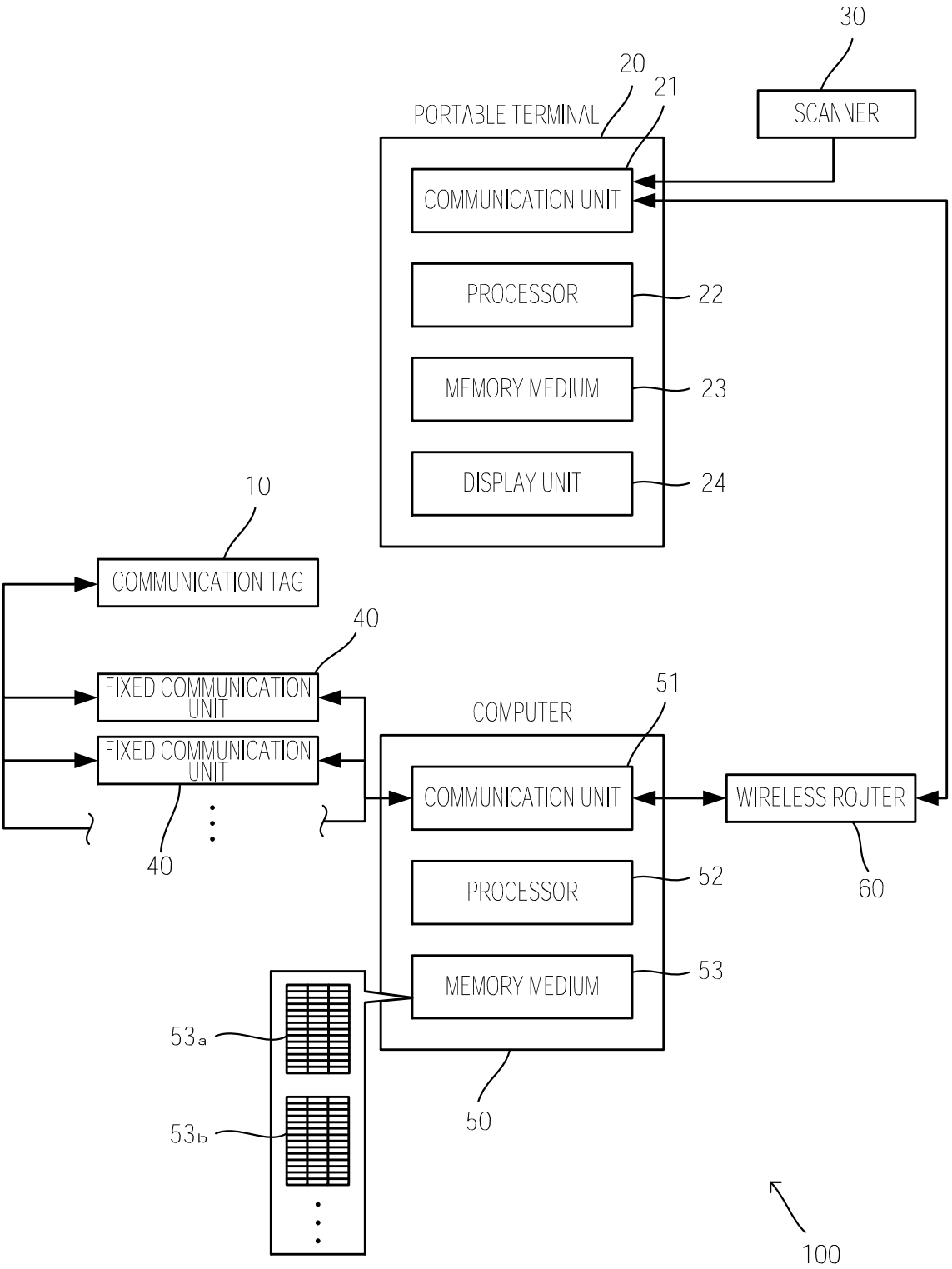

30
20
21
PORTABLE TERMINAL
SCANNER
COMMUNICATION UNIT
PROCESSOR
22
MEMORY MEDIUM
23
DISPLAY UNIT
24
10
COMMUNICATION TAG
40
FIXED COMMUNICATION UNIT
FIXED COMMUNICATION UNIT
40
51
COMPUTER
COMMUNICATION UNIT
WIRELESS ROUTER
60
PROCESSOR
52
MEMORY MEDIUM
53
53a
53b
50
100

FIG.2

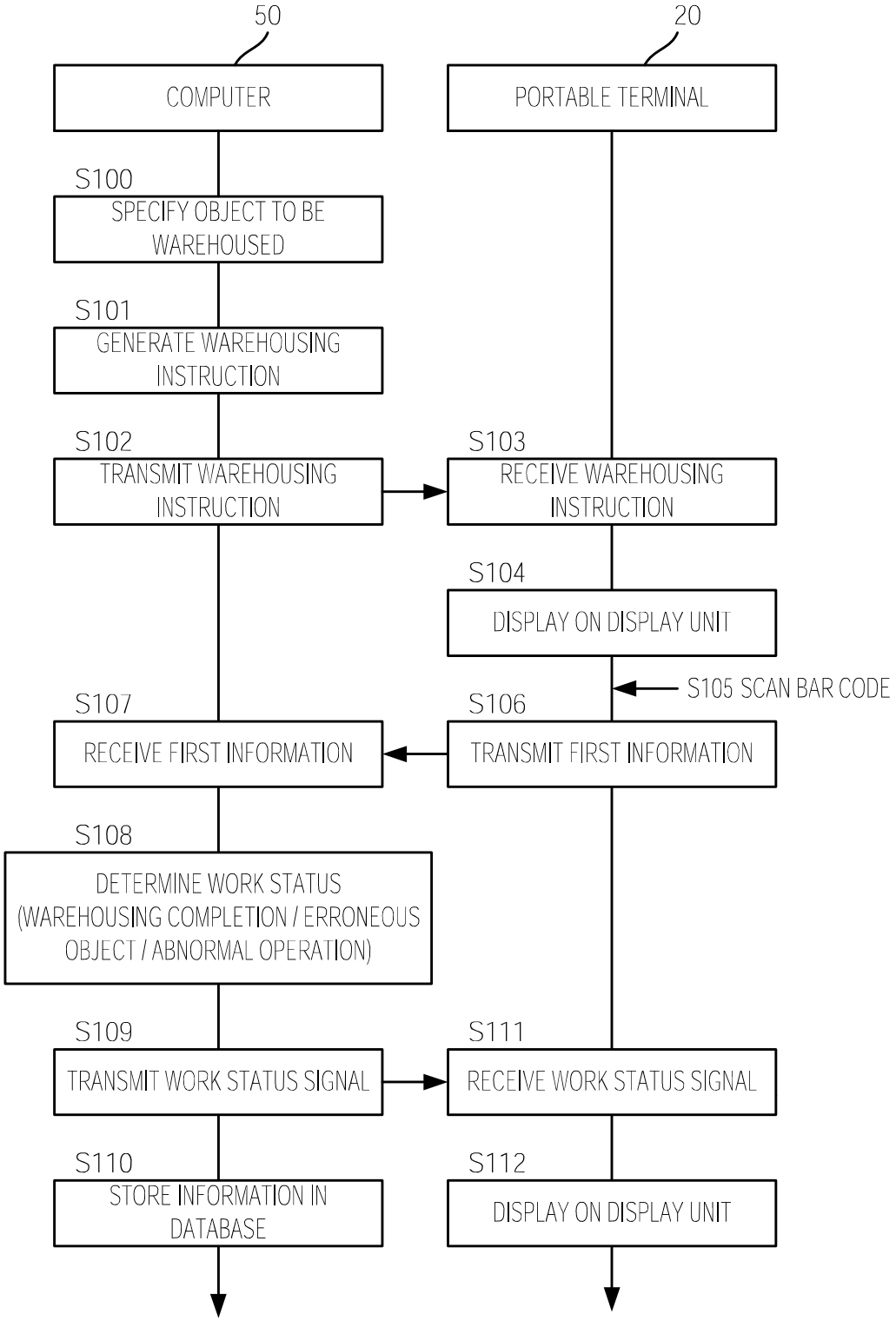

50
20
COMPUTER
PORTABLE TERMINAL
S100
SPECIFY OBJECT TO BE WAREHOUSED
S101
GENERATE WAREHOUSING INSTRUCTION
S102
TRANSMIT WAREHOUSING INSTRUCTION
S103
RECEIVE WAREHOUSING INSTRUCTION
S104
DISPLAY ON DISPLAY UNIT
S105 SCAN BAR CODE
S106
TRANSMIT FIRST INFORMATION
S107
RECEIVE FIRST INFORMATION
S108
DETERMINE WORK STATUS (WAREHOUSING COMPLETION / ERRONEOUS OBJECT / ABNORMAL OPERATION)
S109
TRANSMIT WORK STATUS SIGNAL
S111
RECEIVE WORK STATUS SIGNAL
S110
STORE INFORMATION IN DATABASE
S112
DISPLAY ON DISPLAY UNIT

FIG.3

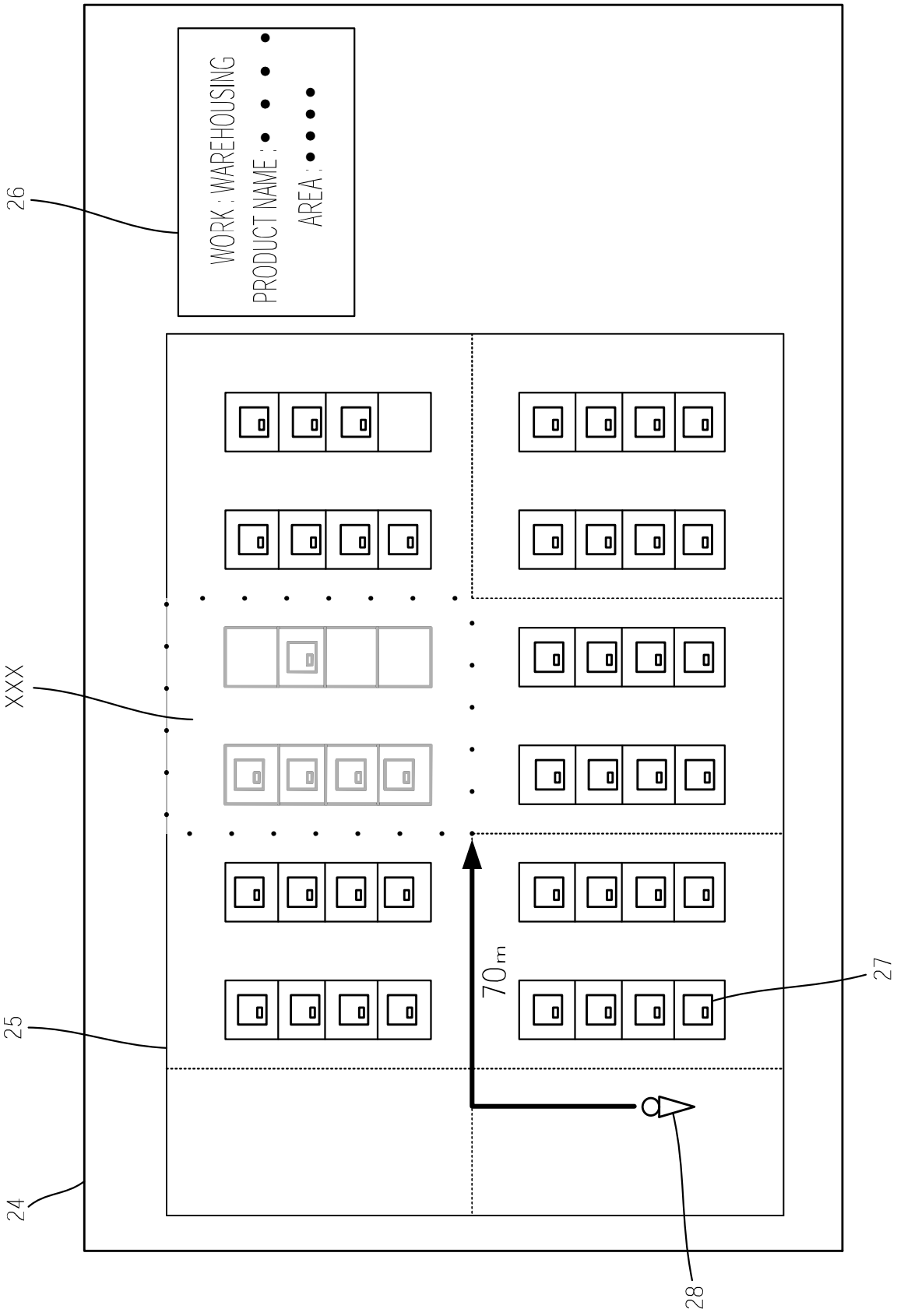


FIG.4

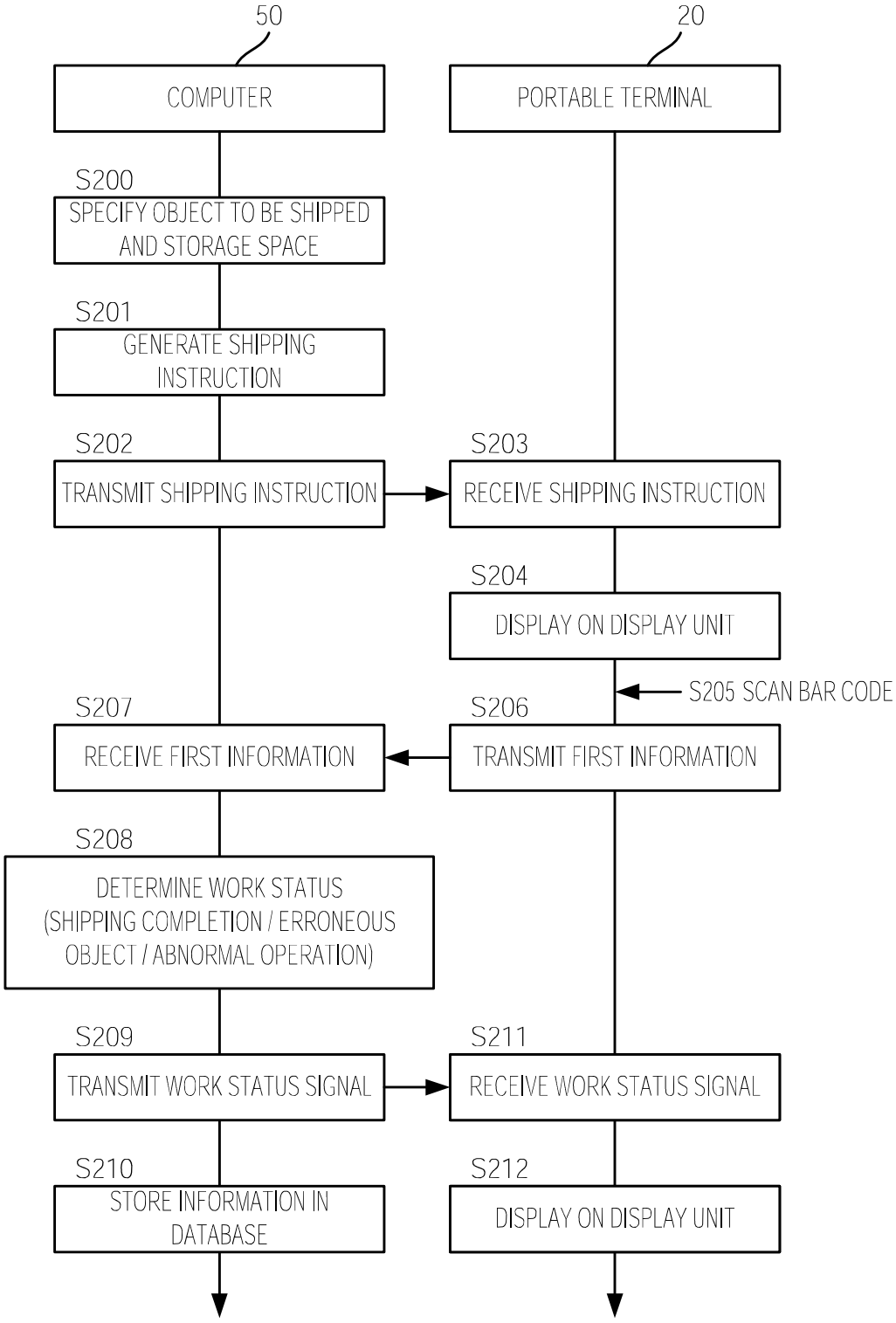

50
20
COMPUTER
PORTABLE TERMINAL
S200
SPECIFY OBJECT TO BE SHIPPED AND STORAGE SPACE
S201
GENERATE SHIPPING INSTRUCTION
S202
TRANSMIT SHIPPING INSTRUCTION
S203
RECEIVE SHIPPING INSTRUCTION
S204
DISPLAY ON DISPLAY UNIT
S205 SCAN BAR CODE
S206
TRANSMIT FIRST INFORMATION
S207
RECEIVE FIRST INFORMATION
S208
DETERMINE WORK STATUS (SHIPPING COMPLETION / ERRONEOUS OBJECT / ABNORMAL OPERATION)
S209
TRANSMIT WORK STATUS SIGNAL
S211
RECEIVE WORK STATUS SIGNAL
S210
STORE INFORMATION IN DATABASE
S212
DISPLAY ON DISPLAY UNIT

FIG.5

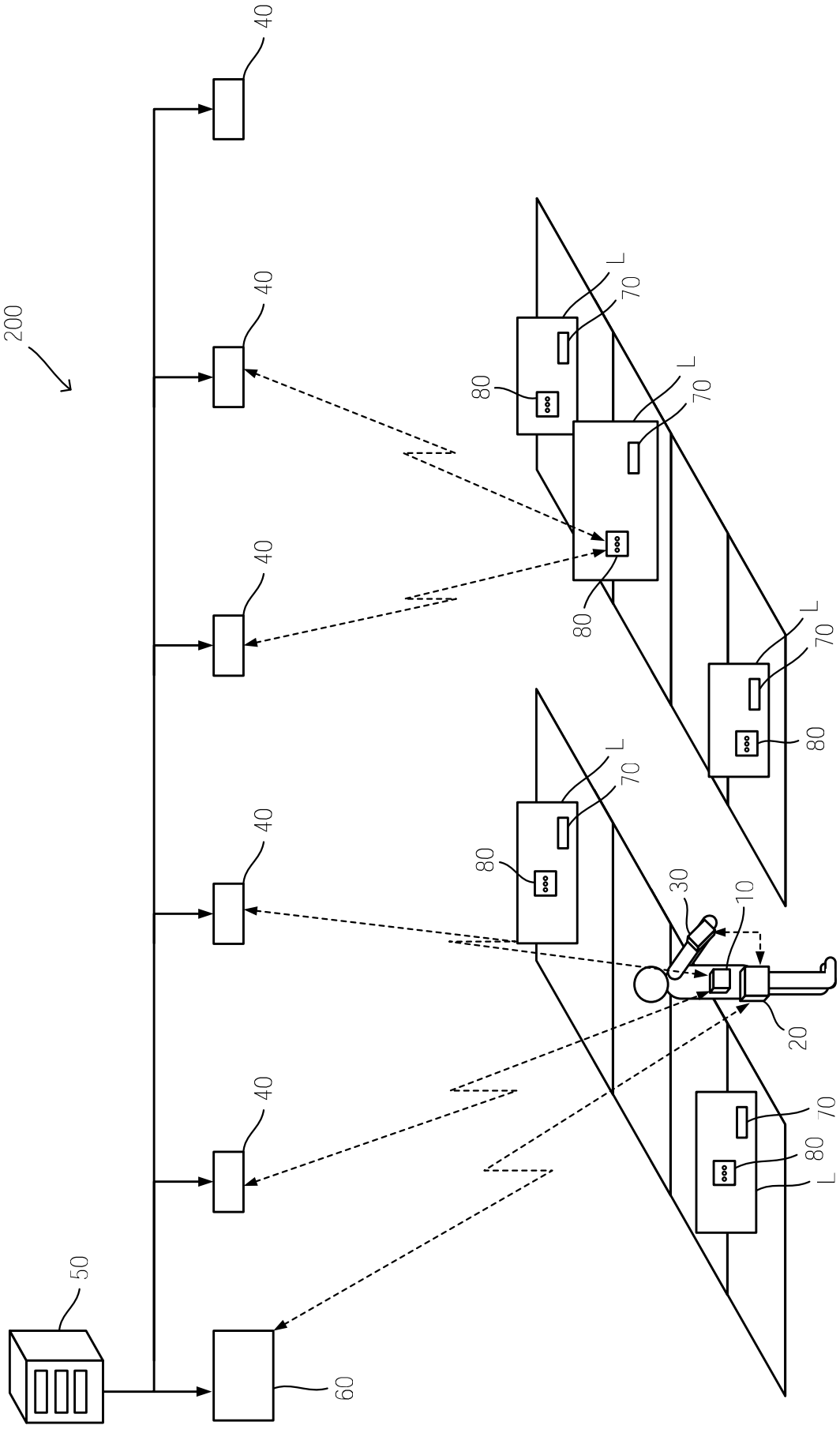


FIG.6

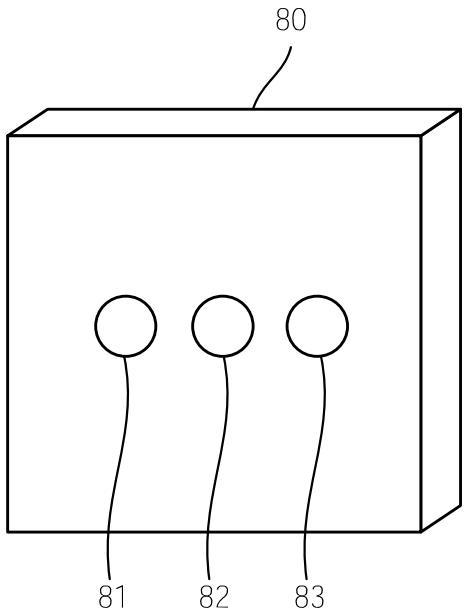


FIG.7

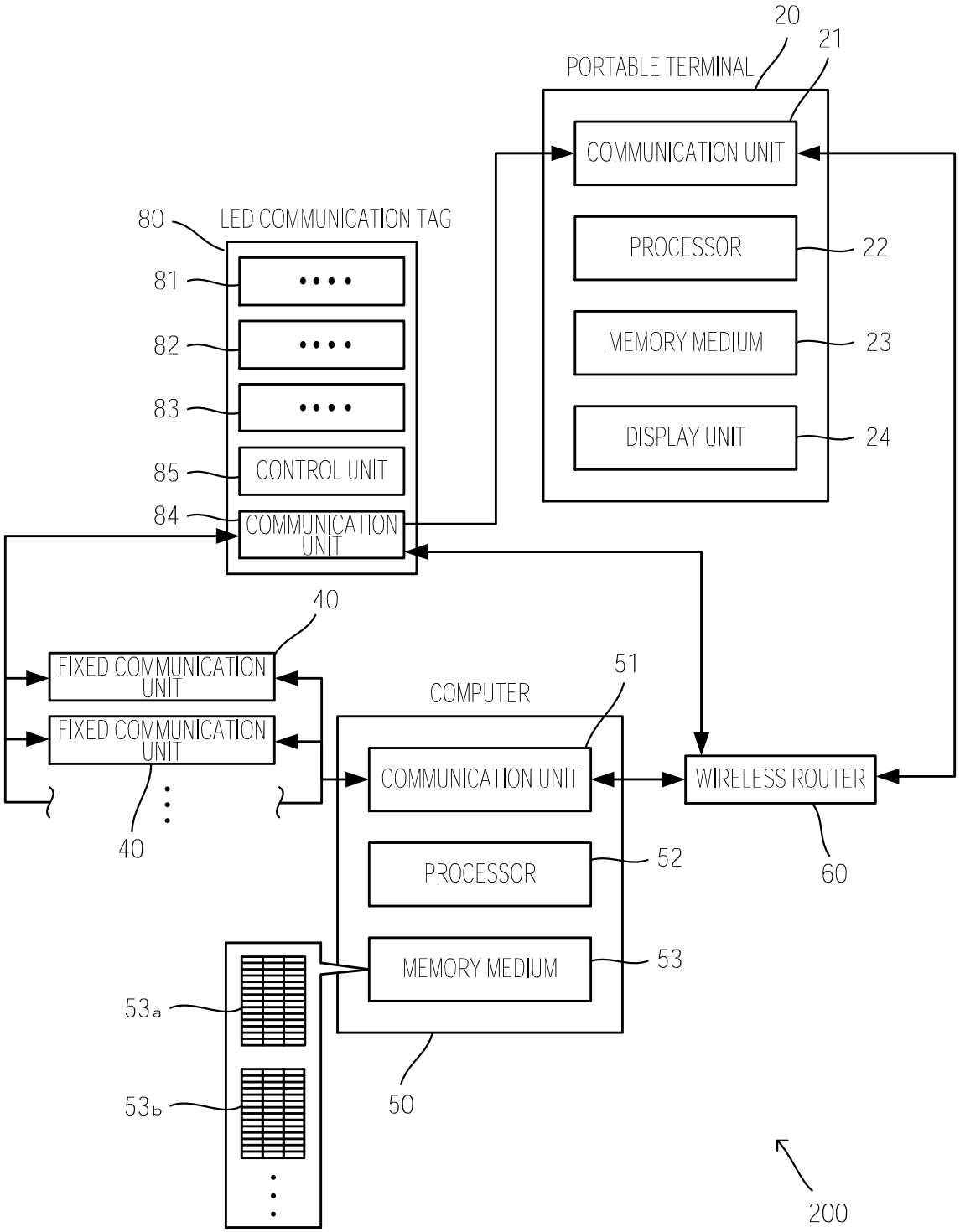

20
21
PORTABLE TERMINAL
COMMUNICATION UNIT
PROCESSOR
22
MEMORY MEDIUM
23
DISPLAY UNIT
24
80
LED COMMUNICATION TAG
81
82
83
85
CONTROL UNIT
84
COMMUNICATION UNIT
40
FIXED COMMUNICATION UNIT
FIXED COMMUNICATION UNIT
40
51
COMPUTER
COMMUNICATION UNIT
WIRELESS ROUTER
60
PROCESSOR
52
MEMORY MEDIUM
53
53a
53b
50
200

FIG.8

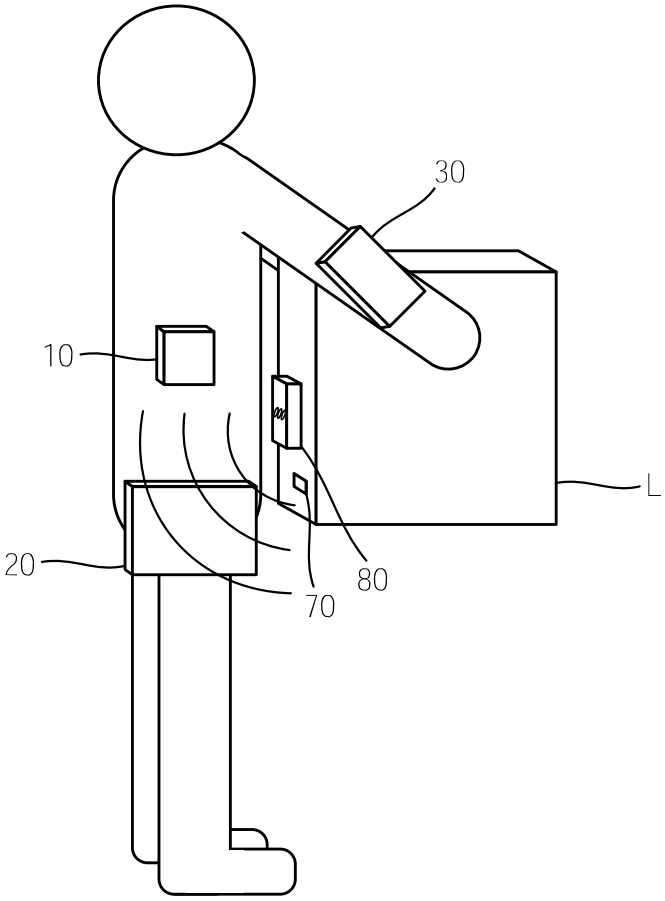


FIG.9

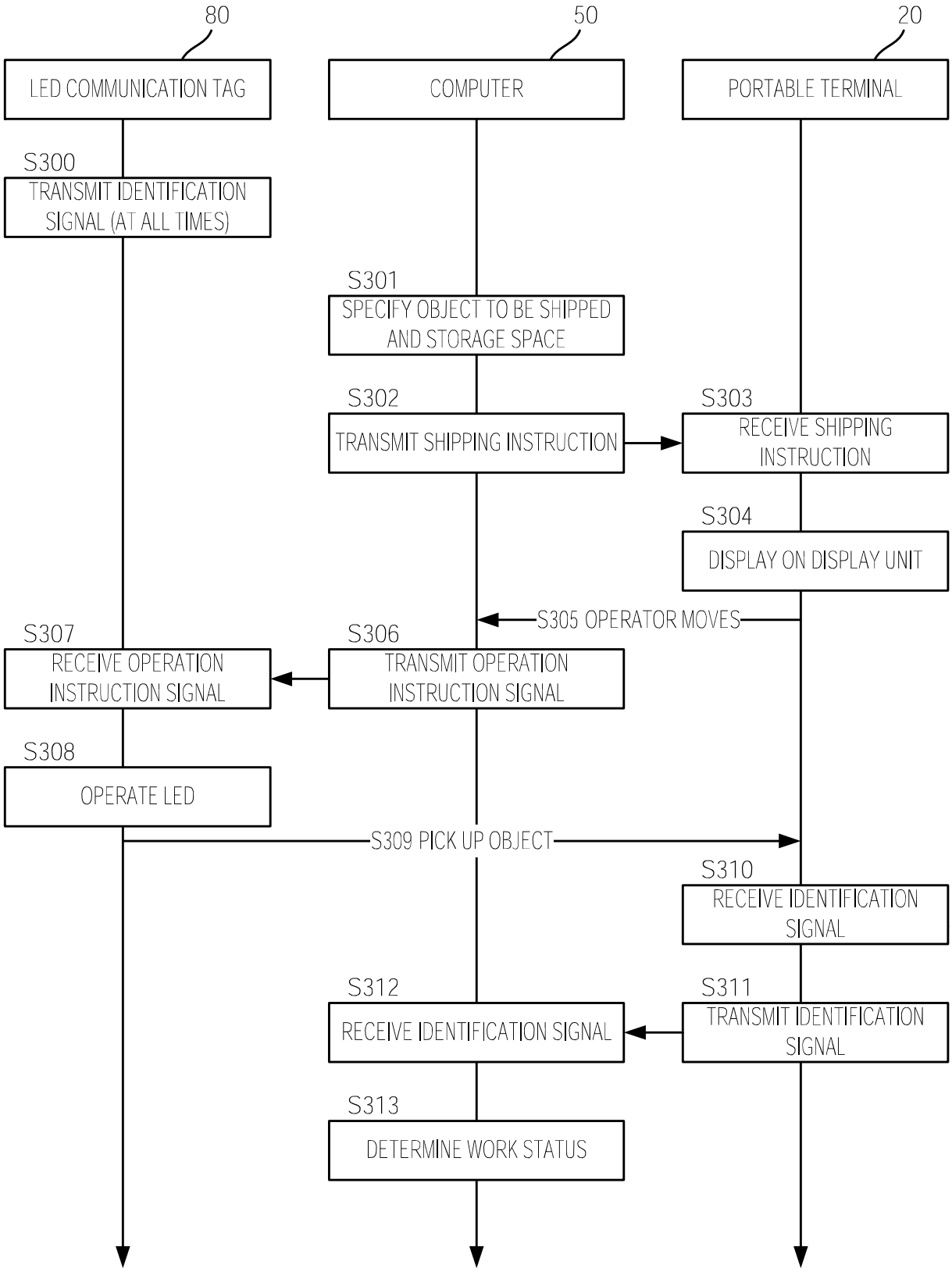

80
50
20
LED COMMUNICATION TAG
COMPUTER
PORTABLE TERMINAL
S300
TRANSMIT IDENTIFICATION SIGNAL (AT ALL TIMES)
S301
SPECIFY OBJECT TO BE SHIPPED AND STORAGE SPACE
S302
TRANSMIT SHIPPING INSTRUCTION
S303
RECEIVE SHIPPING INSTRUCTION
S304
DISPLAY ON DISPLAY UNIT
S305 OPERATOR MOVES
S307
RECEIVE OPERATION INSTRUCTION SIGNAL
S306
TRANSMIT OPERATION INSTRUCTION SIGNAL
S308
OPERATE LED
S309 PICK UP OBJECT
S310
RECEIVE IDENTIFICATION SIGNAL
S312
RECEIVE IDENTIFICATION SIGNAL
S311
TRANSMIT IDENTIFICATION SIGNAL
S313
DETERMINE WORK STATUS

FIG.10

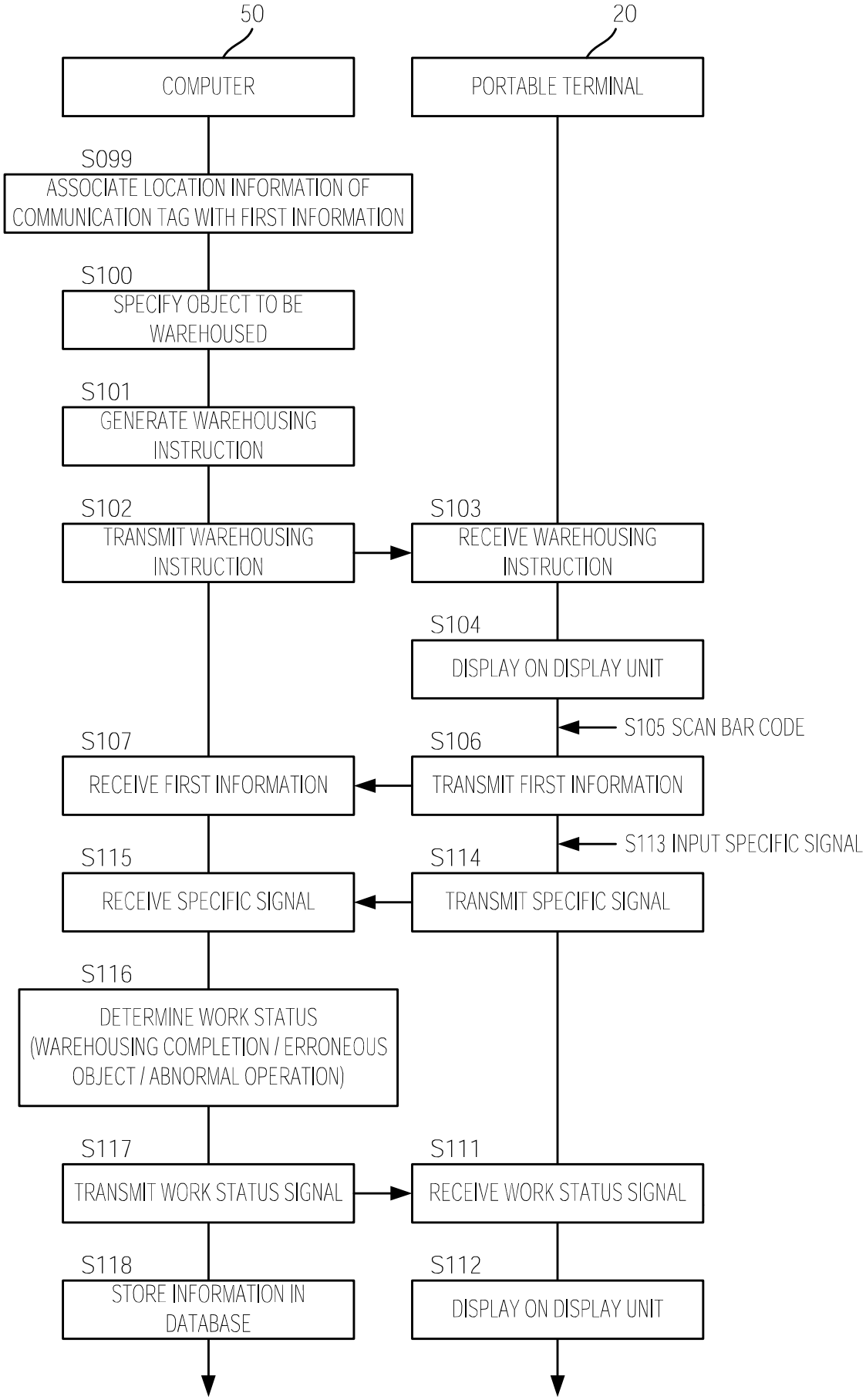

50
20
COMPUTER
PORTABLE TERMINAL
S099
ASSOCIATE LOCATION INFORMATION OF COMMUNICATION TAG WITH FIRST INFORMATION
S100
SPECIFY OBJECT TO BE WAREHOUSED
S101
GENERATE WAREHOUSING INSTRUCTION
S102
TRANSMIT WAREHOUSING INSTRUCTION
S103
RECEIVE WAREHOUSING INSTRUCTION
S104
DISPLAY ON DISPLAY UNIT
S105 SCAN BAR CODE
S106
TRANSMIT FIRST INFORMATION
S107
RECEIVE FIRST INFORMATION
S113 INPUT SPECIFIC SIGNAL
S114
TRANSMIT SPECIFIC SIGNAL
S115
RECEIVE SPECIFIC SIGNAL
S116
DETERMINE WORK STATUS (WAREHOUSING COMPLETION / ERRONEOUS OBJECT / ABNORMAL OPERATION)
S111
RECEIVE WORK STATUS SIGNAL
S117
TRANSMIT WORK STATUS SIGNAL
S112
DISPLAY ON DISPLAY UNIT
S118
STORE INFORMATION IN DATABASE

FIG.11

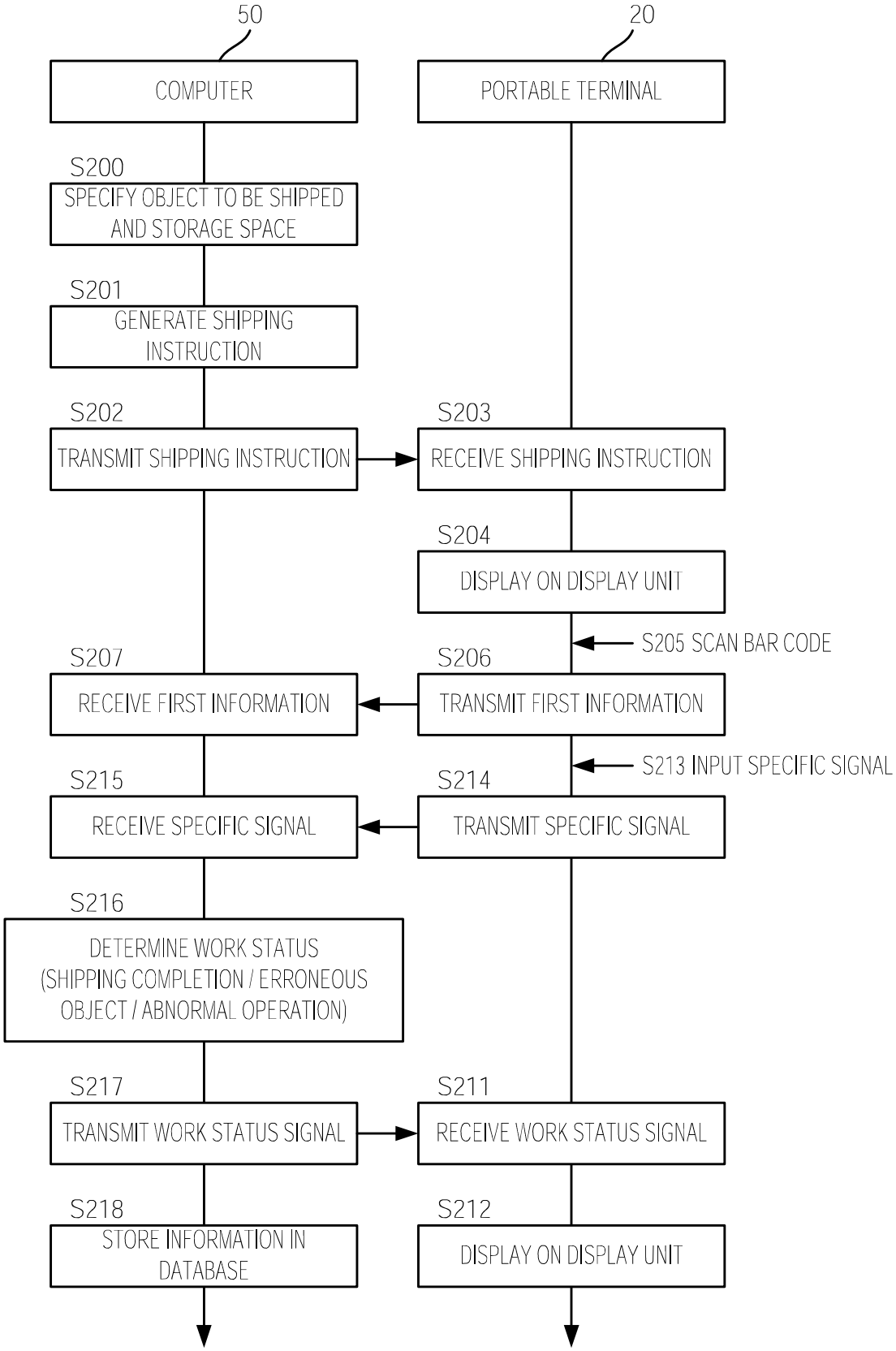

50
20
COMPUTER
PORTABLE TERMINAL
S200
SPECIFY OBJECT TO BE SHIPPED AND STORAGE SPACE
S201
GENERATE SHIPPING INSTRUCTION
S202
TRANSMIT SHIPPING INSTRUCTION
S203
RECEIVE SHIPPING INSTRUCTION
S204
DISPLAY ON DISPLAY UNIT
S205 SCAN BAR CODE
S206
TRANSMIT FIRST INFORMATION
S207
RECEIVE FIRST INFORMATION
S213 INPUT SPECIFIC SIGNAL
S214
TRANSMIT SPECIFIC SIGNAL
S215
RECEIVE SPECIFIC SIGNAL
S216
DETERMINE WORK STATUS (SHIPPING COMPLETION / ERRONEOUS OBJECT / ABNORMAL OPERATION)
S211
RECEIVE WORK STATUS SIGNAL
S217
TRANSMIT WORK STATUS SIGNAL
S212
DISPLAY ON DISPLAY UNIT
S218
STORE INFORMATION IN DATABASE

FIG.12