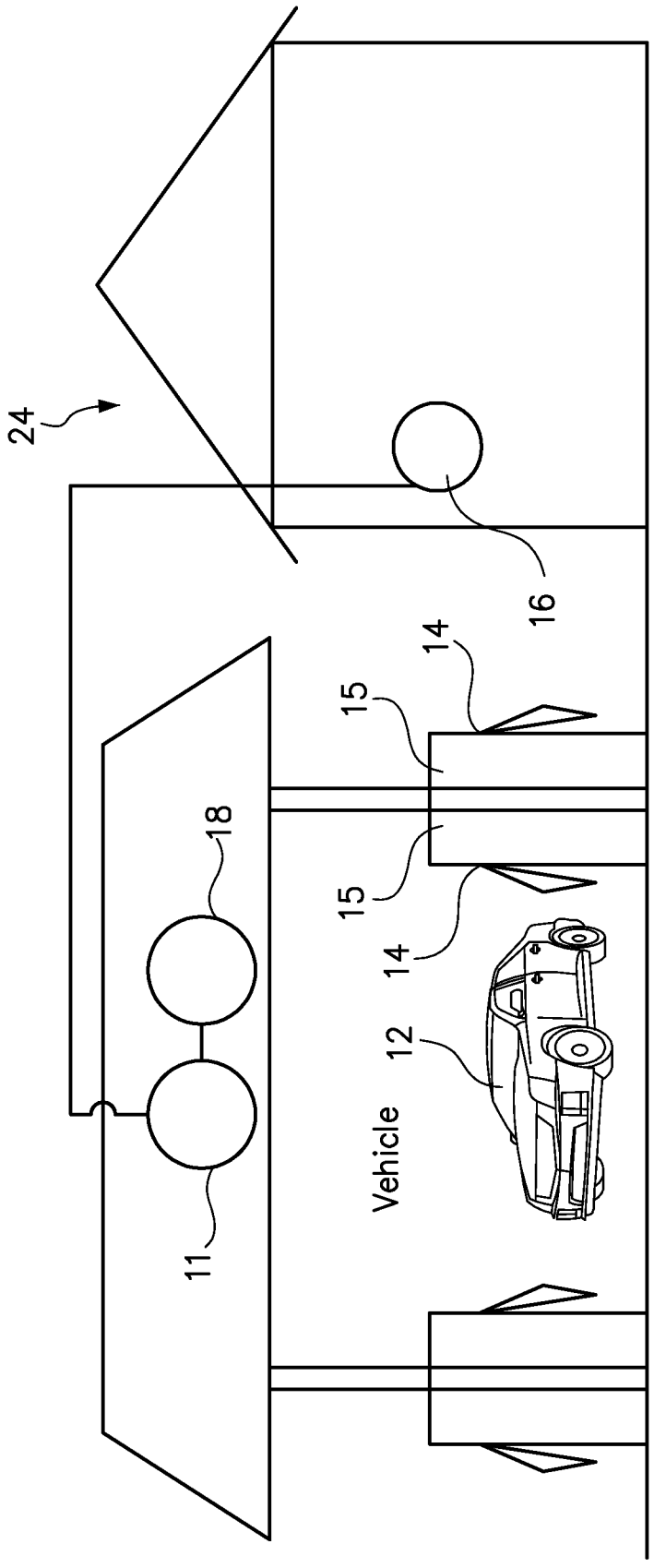


FIG. 1

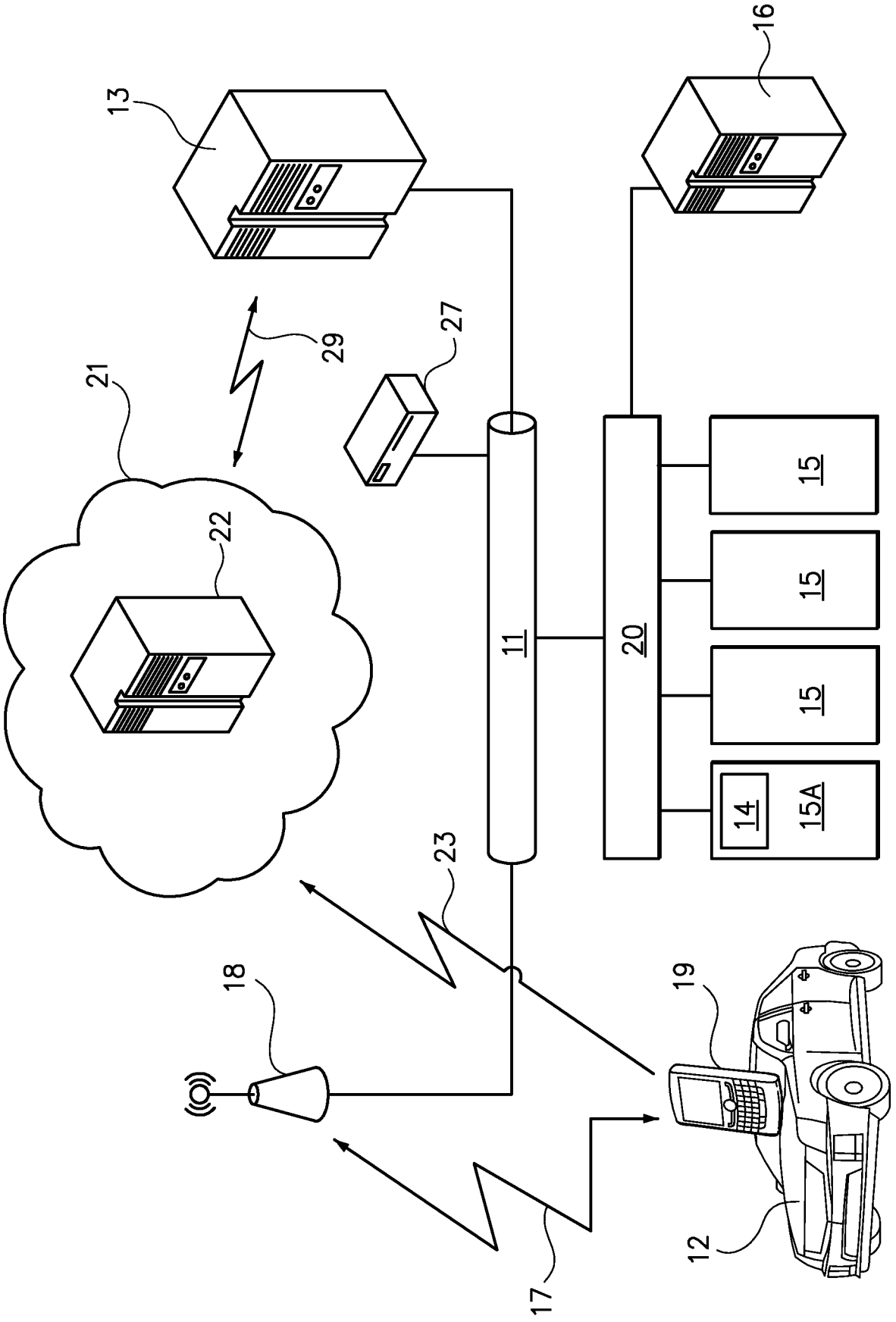


FIG. 2

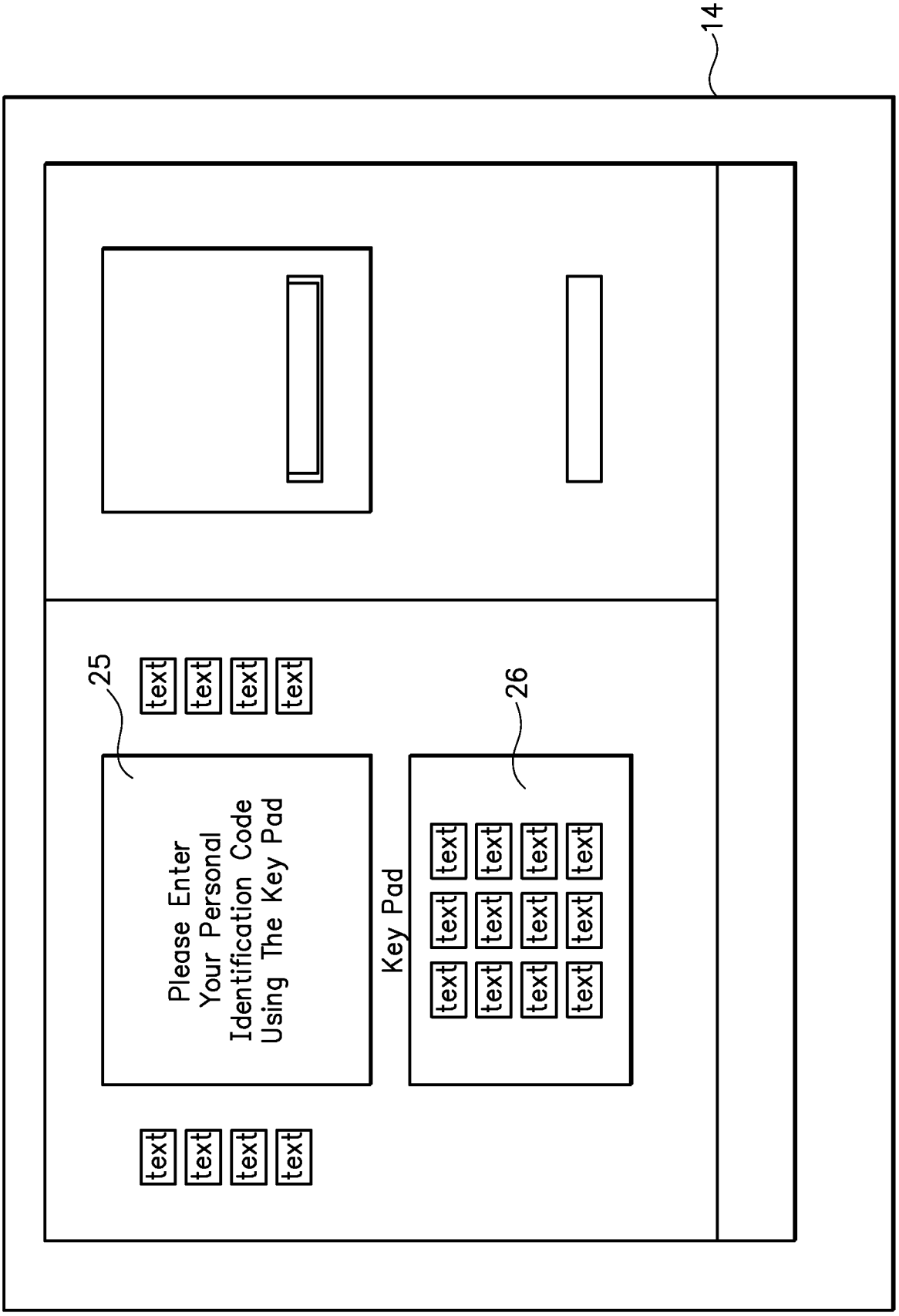

14
25
text
text
text
text
Please Enter
Your Personal
Identification Code
Using The Key Pad
26
Key Pad
text
text
text
text
text
text
text
text
text
text
text
text
text
text
text
text
text
text
text
text

FIG. 3

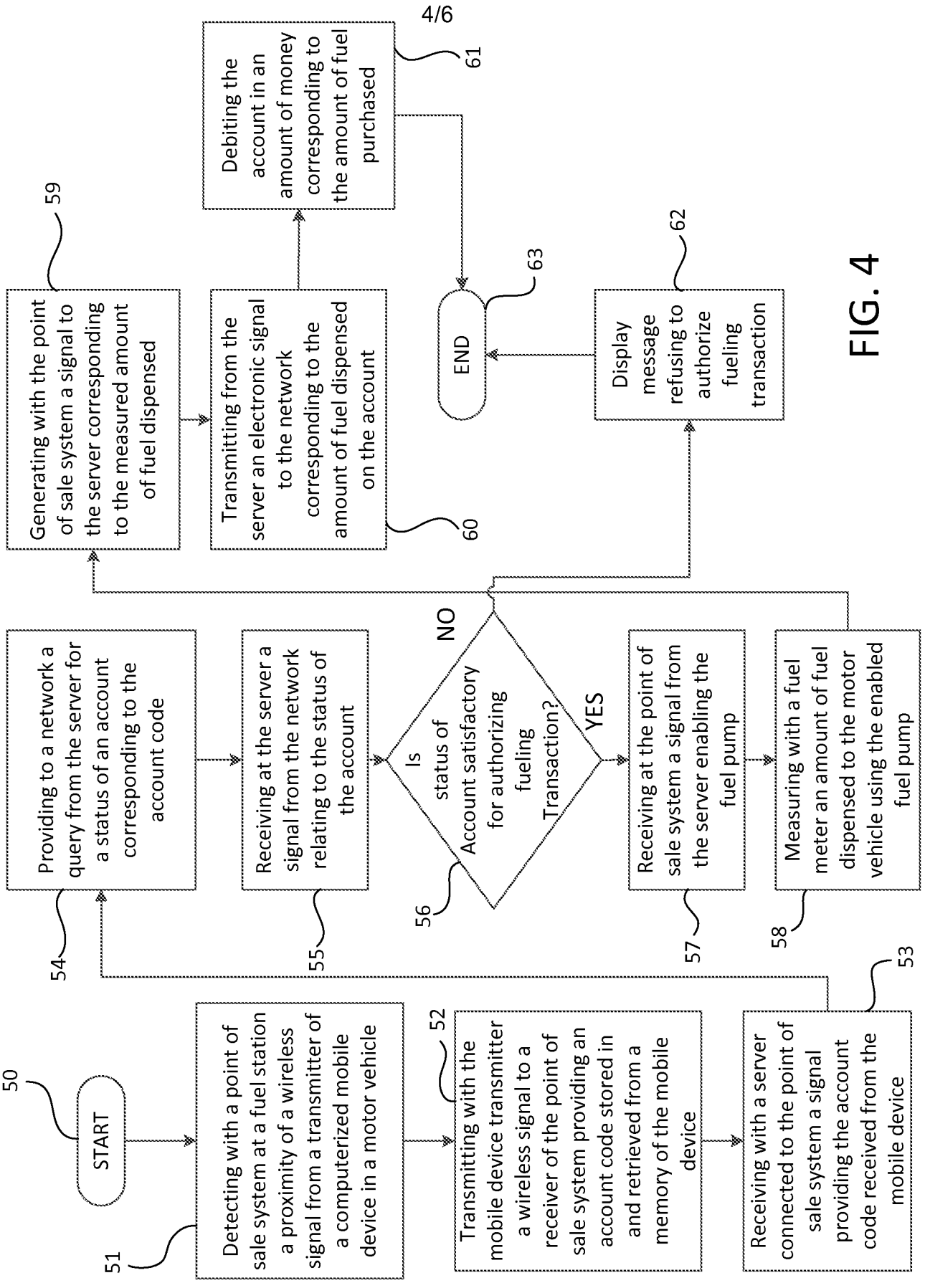

50
START
51
Detecting with a point of sale system at a fuel station a proximity of a wireless signal from a transmitter of a computerized mobile device in a motor vehicle
52
Transmitting with the mobile device transmitter a wireless signal to a receiver of the point of sale system providing an account code stored in and retrieved from a memory of the mobile device
53
Receiving with a server connected to the point of sale system a signal providing the account code received from the mobile device
54
Providing to a network a query from the server for a status of an account corresponding to the account code
55
Receiving at the server a signal from the network relating to the status of the account
56
Is status of Account satisfactory for authorizing fueling Transaction?
NO
YES
57
Receiving at the point of sale system a signal from the server enabling the fuel pump
58
Measuring with a fuel meter an amount of fuel dispensed to the motor vehicle using the enabled fuel pump
59
Generating with the point of sale system a signal to the server corresponding to the measured amount of fuel dispensed
60
Transmitting from the server an electronic signal to the network corresponding to the amount of fuel dispensed on the account
61
Debiting the account in an amount of money corresponding to the amount of fuel purchased
62
Display message refusing to authorize fueling transaction
63
END

FIG. 4

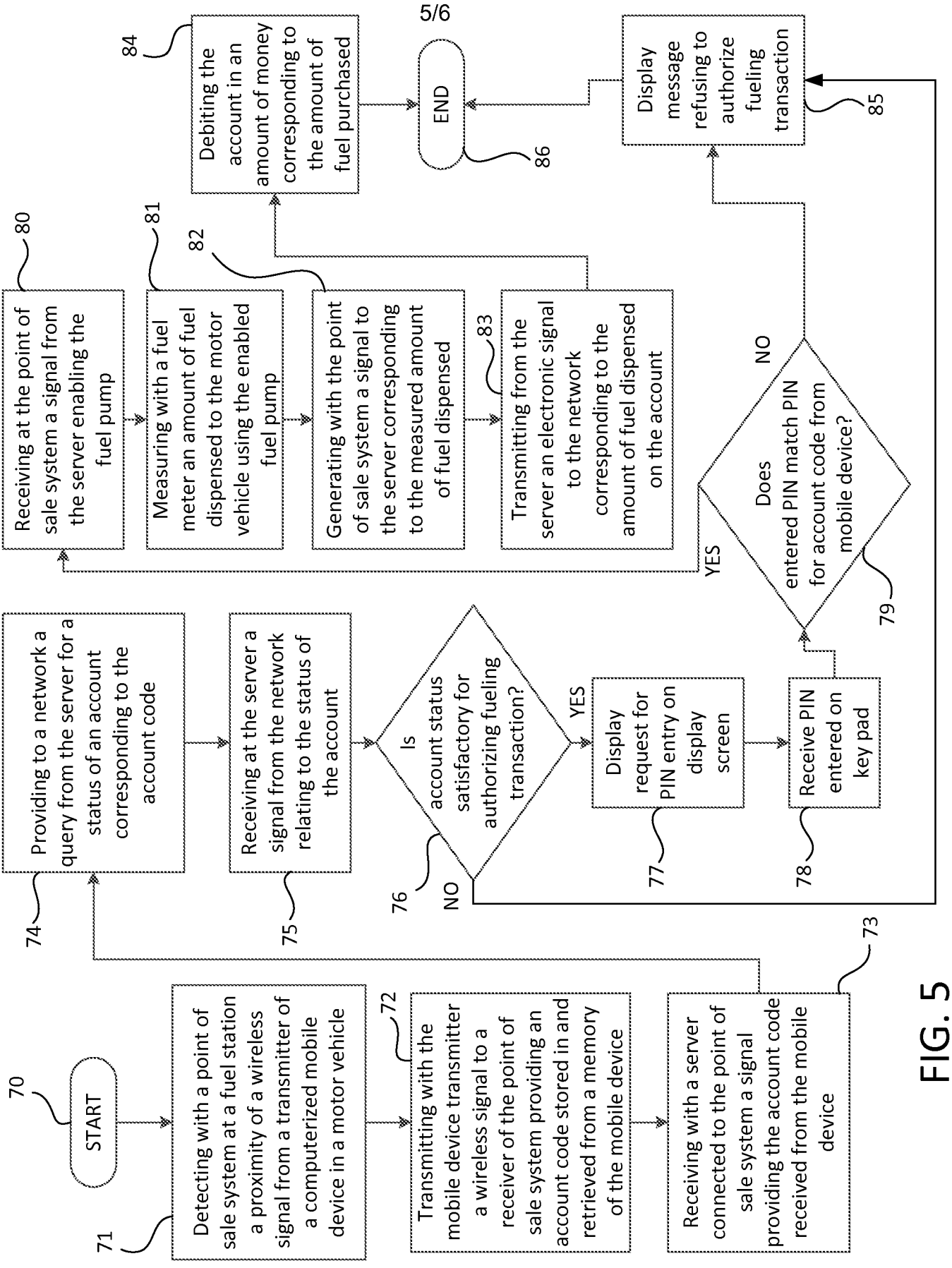

70
START
71
Detecting with a point of sale system at a fuel station a proximity of a wireless signal from a transmitter of a computerized mobile device in a motor vehicle
72
Transmitting with the mobile device transmitter a wireless signal to a receiver of the point of sale system providing an account code stored in and retrieved from a memory of the mobile device
73
Receiving with a server connected to the point of sale system a signal providing the account code received from the mobile device
74
Providing to a network a query from the server for a status of an account corresponding to the account code
75
Receiving at the server a signal from the network relating to the status of the account
76
Is account status satisfactory for authorizing fueling transaction?
NO
YES
77
Display request for PIN entry on display screen
78
Receive PIN entered on key pad
79
Does entered PIN match PIN for account code from mobile device?
NO
YES
80
Receiving at the point of sale system a signal from the server enabling the fuel pump
81
Measuring with a fuel meter an amount of fuel dispensed to the motor vehicle using the enabled fuel pump
82
Generating with the point of sale system a signal to the server corresponding to the measured amount of fuel dispensed
83
Transmitting from the server an electronic signal to the network corresponding to the amount of fuel dispensed on the account
84
Debiting the account in an amount of money corresponding to the amount of fuel purchased
85
Display message refusing to authorize fueling transaction
86
END

FIG. 5

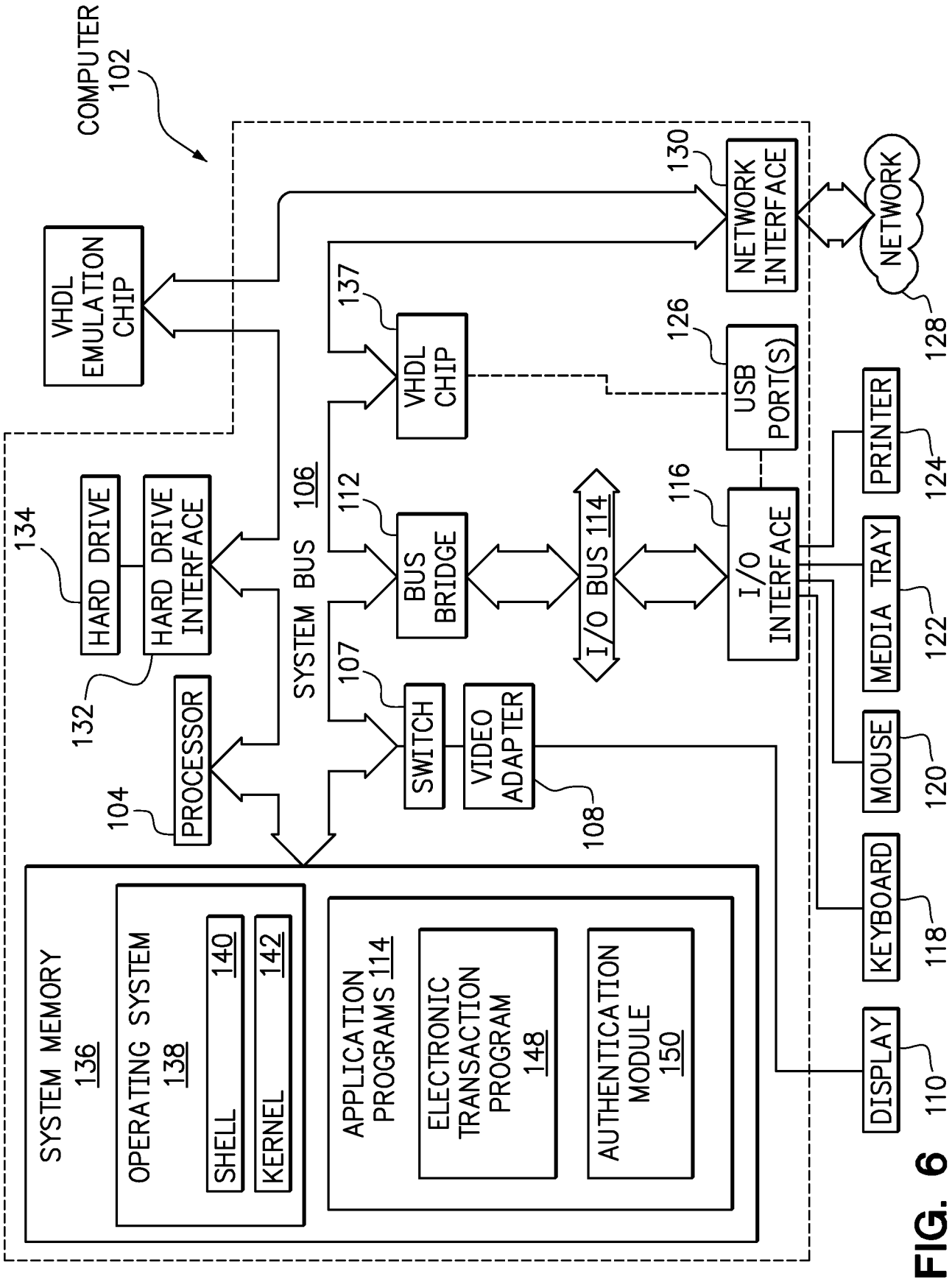

COMPUTER 102
VHDL EMULATION CHIP
NETWORK INTERFACE 130
NETWORK 128
VHDL CHIP 137
USB PORT(S) 126
PRINTER 124
HARD DRIVE 134
HARD DRIVE INTERFACE 132
SYSTEM BUS 106
BUS BRIDGE 112
I/O BUS 114
I/O INTERFACE 116
MEDIA TRAY 122
PROCESSOR 104
SWITCH 107
VIDEO ADAPTER 108
MOUSE 120
SYSTEM MEMORY 136
OPERATING SYSTEM 138
SHELL 140
KERNEL 142
APPLICATION PROGRAMS 114
ELECTRONIC TRANSACTION PROGRAM 148
AUTHENTICATION MODULE 150
KEYBOARD 118
DISPLAY 110

FIG. 6