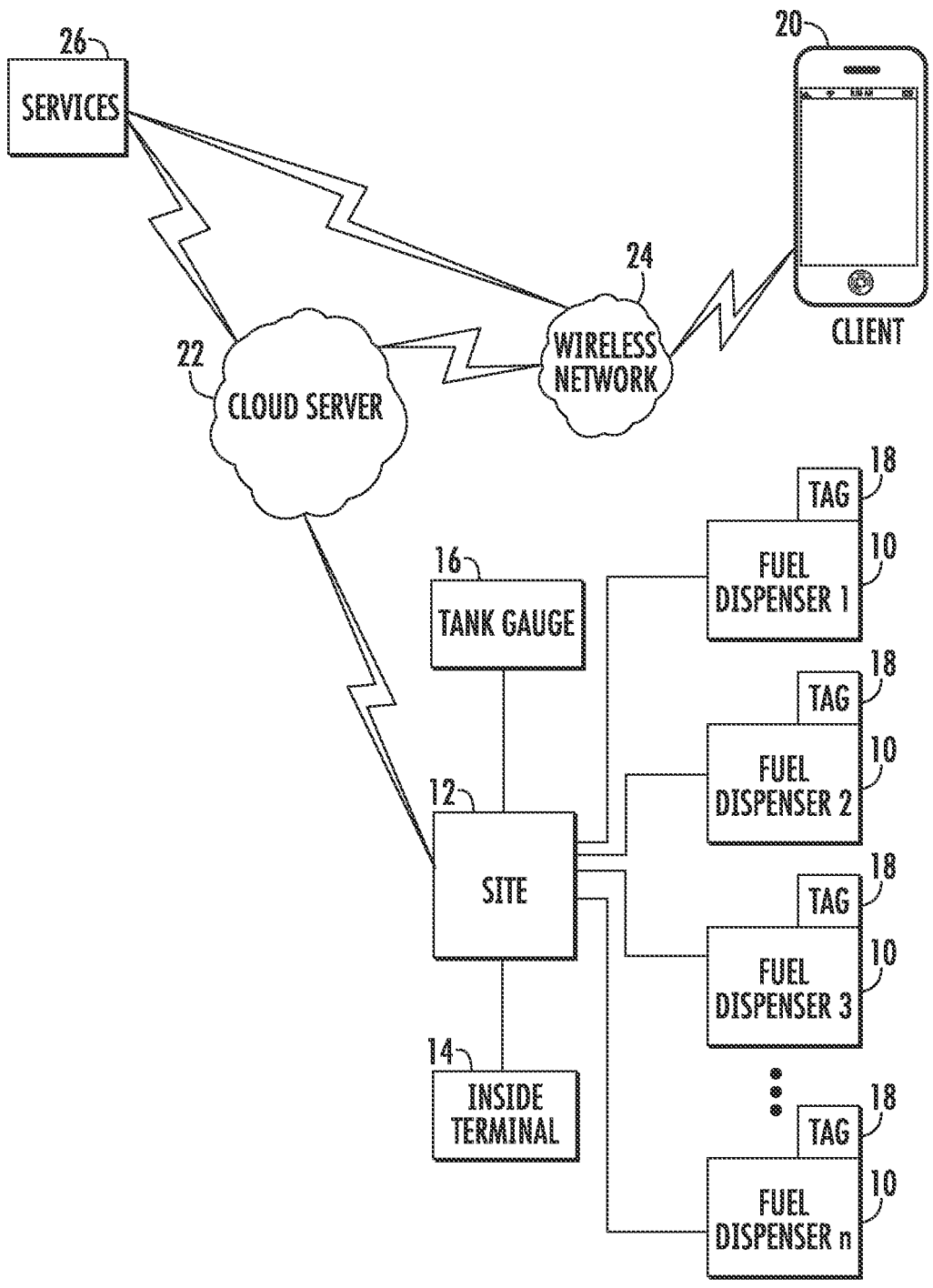

26
SERVICES
20
CLIENT
24
WIRELESS NETWORK
22
CLOUD SERVER
18
TAG
10
FUEL DISPENSER 1
16
TANK GAUGE
18
TAG
10
FUEL DISPENSER 2
12
SITE
18
TAG
10
FUEL DISPENSER 3
14
INSIDE TERMINAL
18
TAG
10
FUEL DISPENSER n

FIG. 1

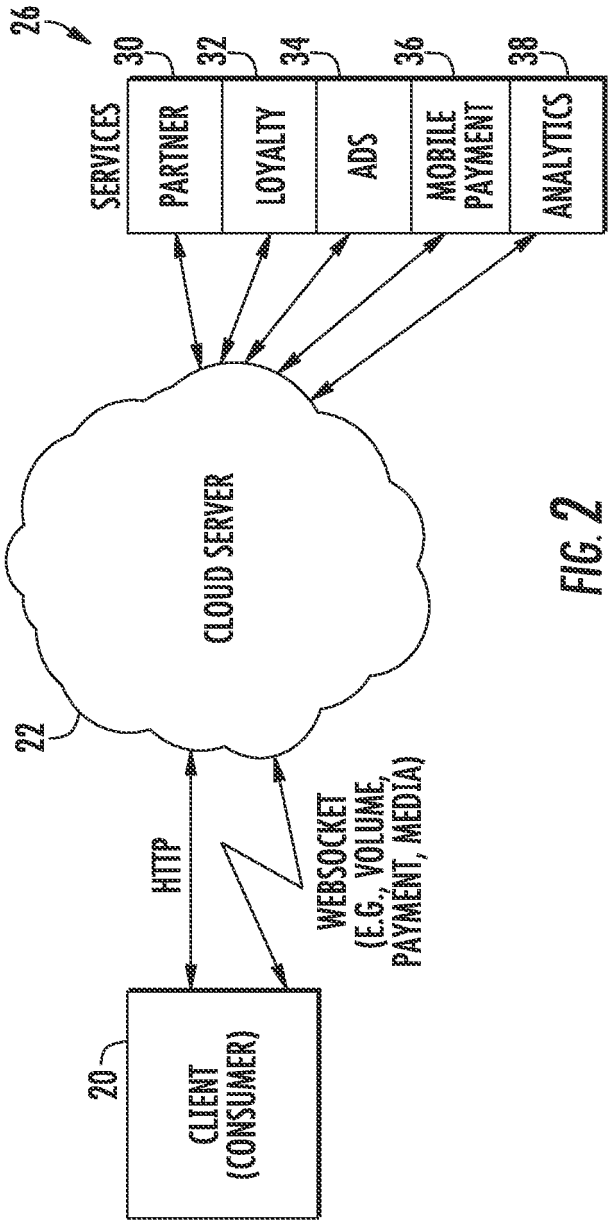

26
30
32
34
36
38
SERVICES
PARTNER
LOYALTY
ADS
MOBILE PAYMENT
ANALYTICS
CLOUD SERVER
22
HTTP
WEBSOCKET (E.G., VOLUME, PAYMENT, MEDIA)
20
CLIENT (CONSUMER)

FIG. 2

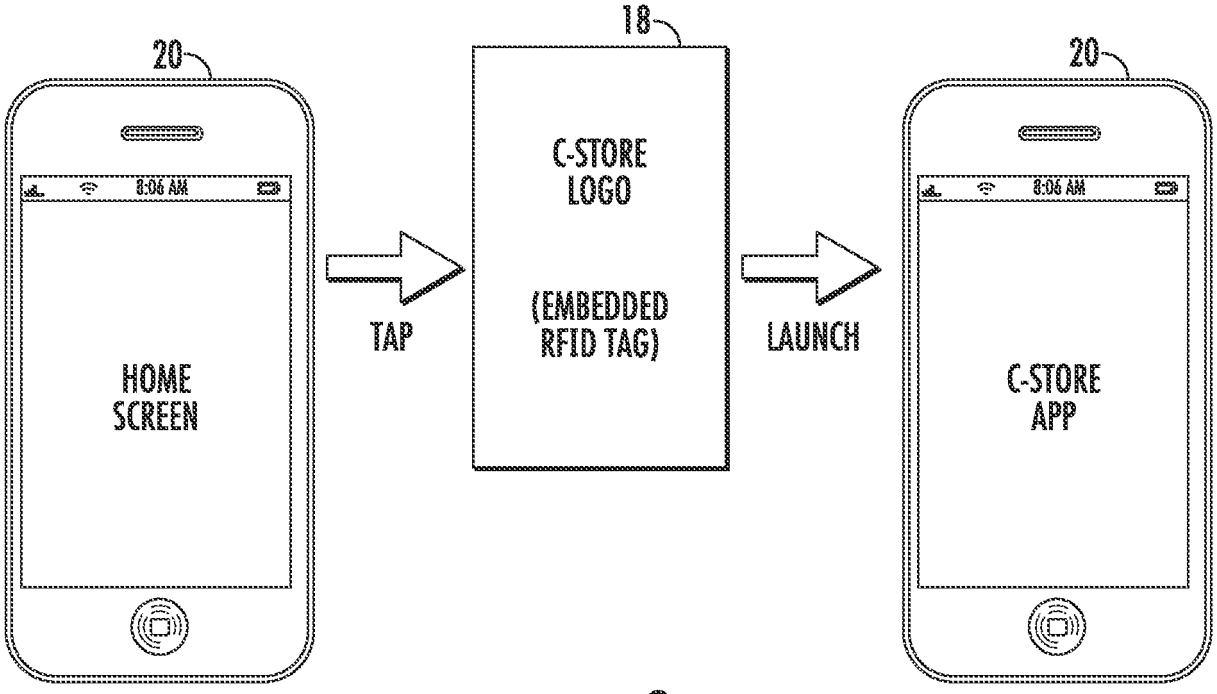

20
8:06 AM
HOME SCREEN
TAP
18
C-STORE LOGO
(EMBEDDED RFID TAG)
LAUNCH
20
8:06 AM
C-STORE APP

FIG. 3

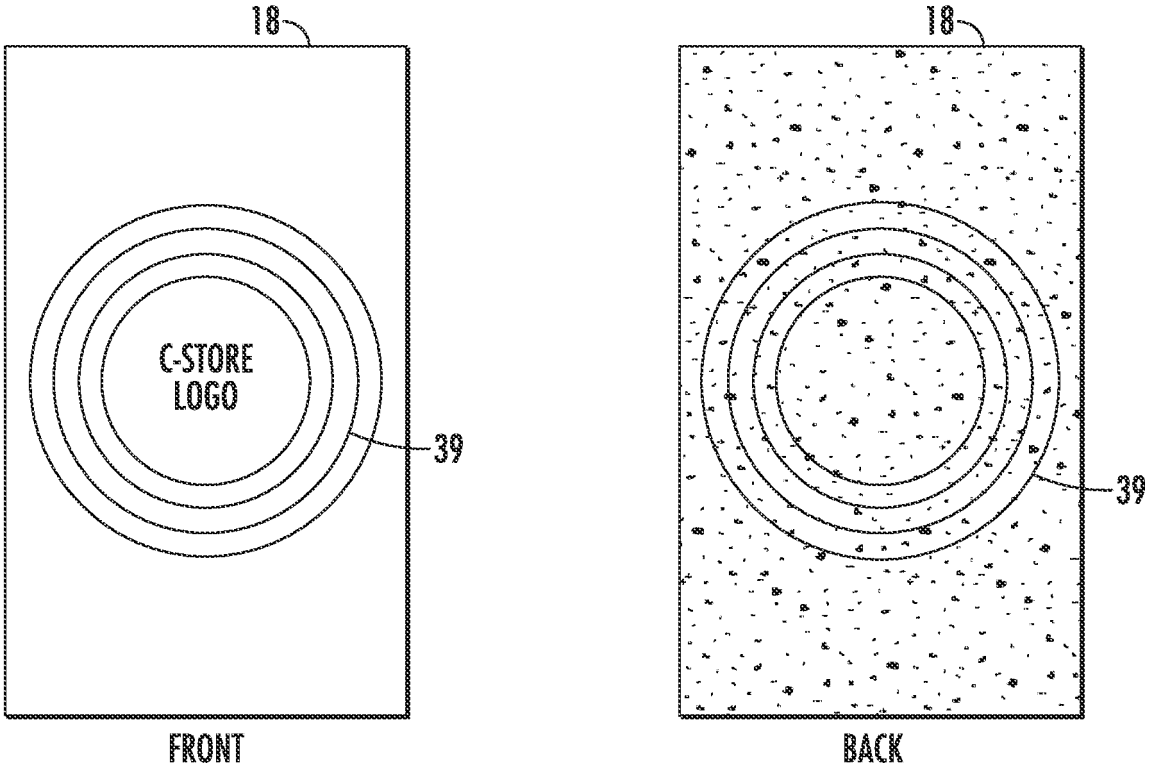


FIG. 4

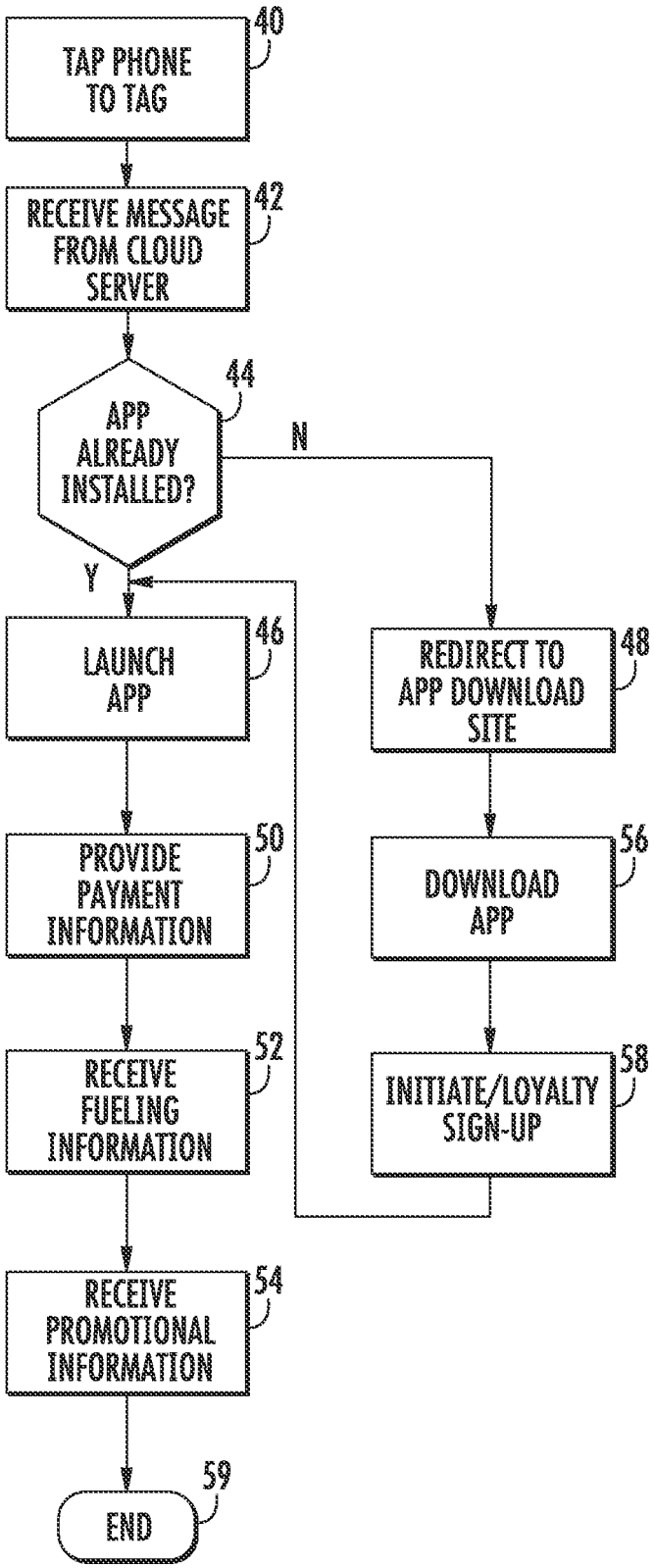

TAP PHONE TO TAG
40
RECEIVE MESSAGE FROM CLOUD SERVER
42
APP ALREADY INSTALLED?
44
N
Y
LAUNCH APP
46
REDIRECT TO APP DOWNLOAD SITE
48
PROVIDE PAYMENT INFORMATION
50
DOWNLOAD APP
56
RECEIVE FUELING INFORMATION
52
INITIATE/LOYALTY SIGN-UP
58
RECEIVE PROMOTIONAL INFORMATION
54
END
59

FIG. 5

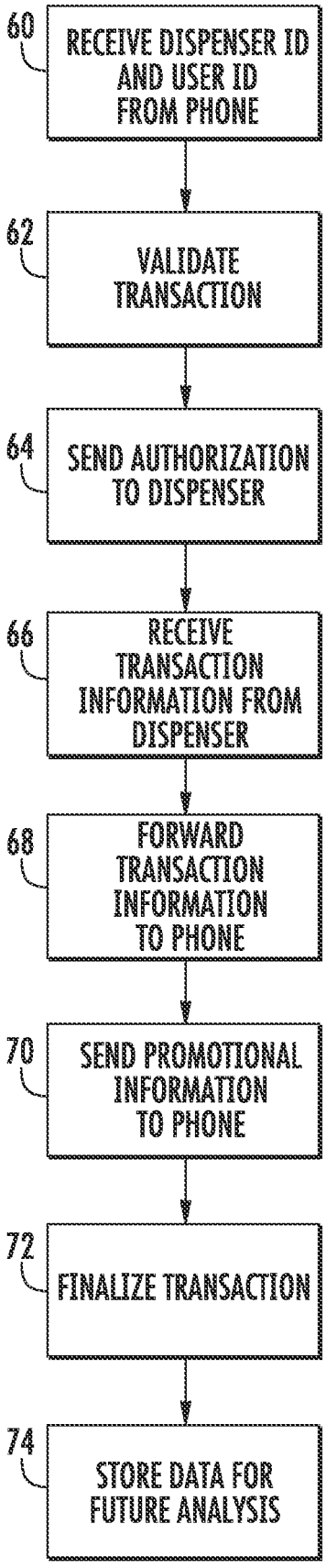

60
RECEIVE DISPENSER ID AND USER ID FROM PHONE
62
VALIDATE TRANSACTION
64
SEND AUTHORIZATION TO DISPENSER
66
RECEIVE TRANSACTION INFORMATION FROM DISPENSER
68
FORWARD TRANSACTION INFORMATION TO PHONE
70
SEND PROMOTIONAL INFORMATION TO PHONE
72
FINALIZE TRANSACTION
74
STORE DATA FOR FUTURE ANALYSIS

FIG. 6

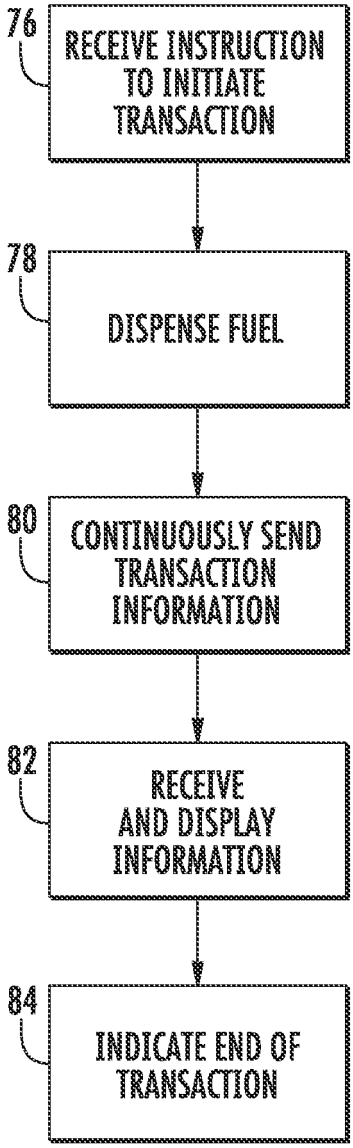

76
RECEIVE INSTRUCTION TO INITIATE TRANSACTION
78
DISPENSE FUEL
80
CONTINUOUSLY SEND TRANSACTION INFORMATION
82
RECEIVE AND DISPLAY INFORMATION
84
INDICATE END OF TRANSACTION

FIG. 7

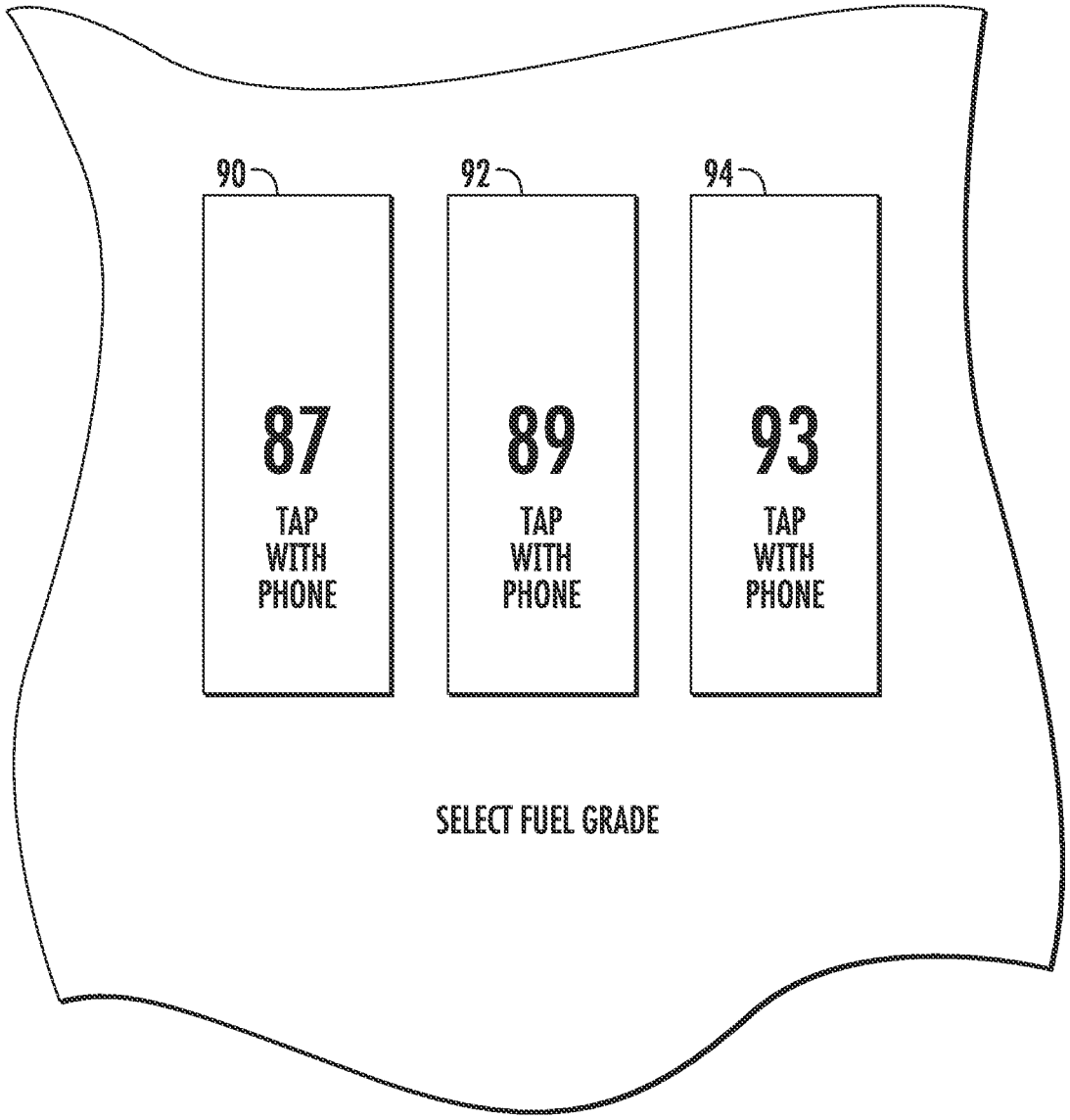

90
92
94
87
TAP WITH PHONE
89
TAP WITH PHONE
93
TAP WITH PHONE
SELECT FUEL GRADE

FIG. 8

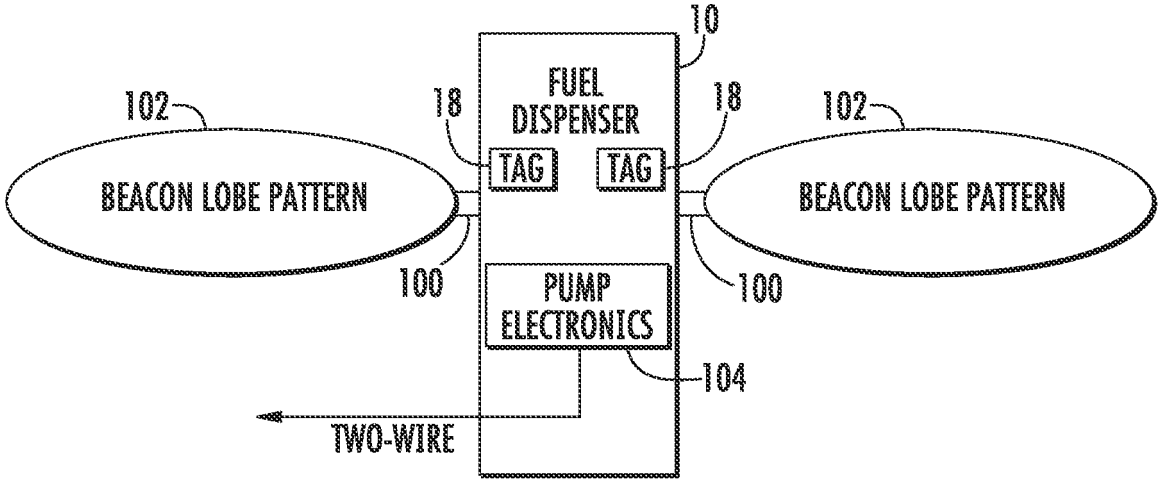

10
FUEL DISPENSER
102
18
18
102
BEACON LOBE PATTERN
TAG
TAG
BEACON LOBE PATTERN
100
100
PUMP ELECTRONICS
104
TWO-WIRE

FIG. 9

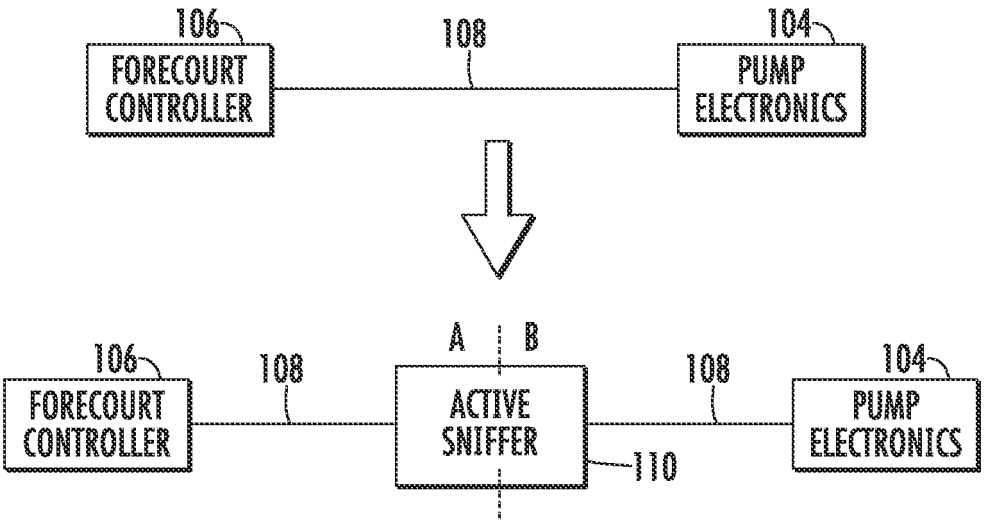

106
108
104
FORECOURT CONTROLLER
PUMP ELECTRONICS
A
B
106
108
108
104
FORECOURT CONTROLLER
ACTIVE SNIFFER
PUMP ELECTRONICS
110

FIG. 10

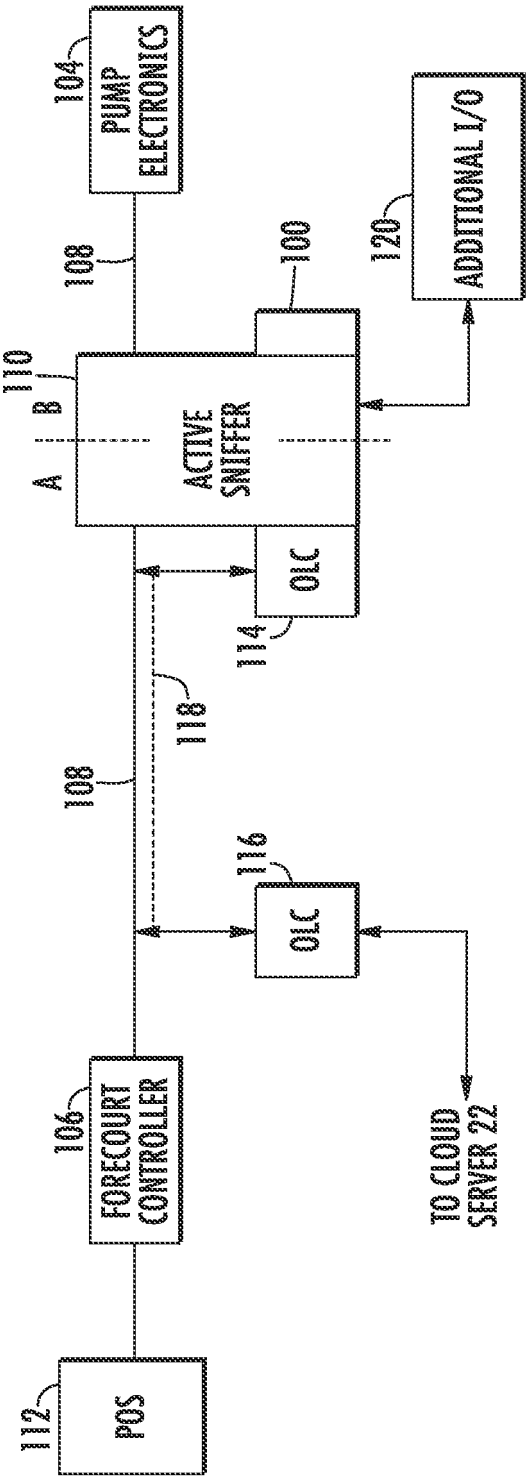

104
PUMP ELECTRONICS
108
100
120
ADDITIONAL I/O
110
B
A
ACTIVE SNIFFER
710
114
118
108
116
710
106
FORECOURT CONTROLLER
TO CLOUD SERVER 22
112
POS

FIG. 11