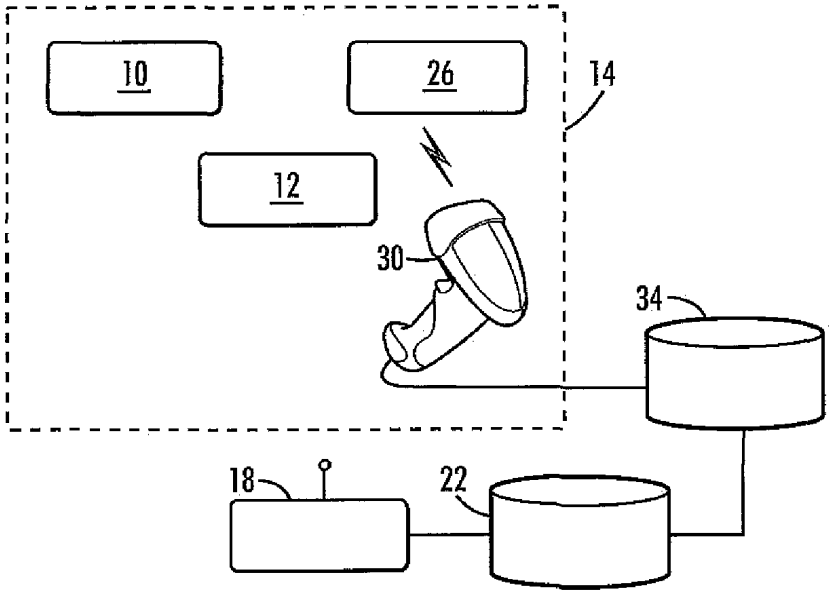

FIG.1

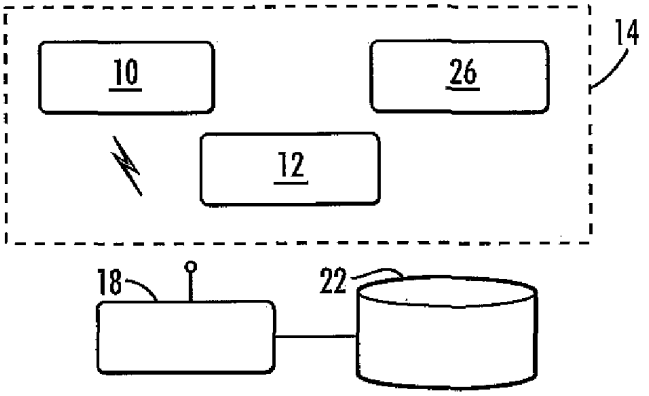

FIG.2

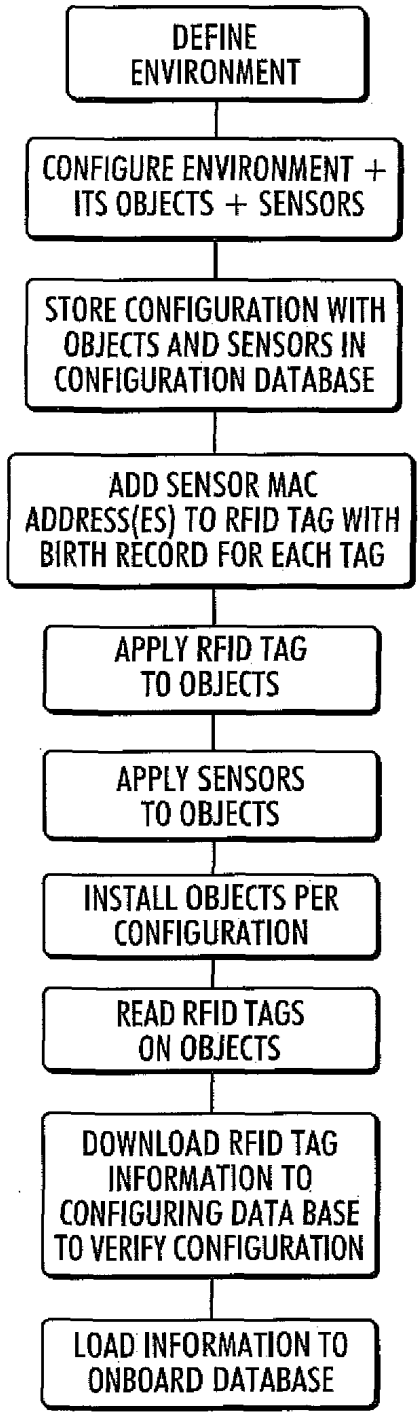
DEFINE ENVIRONMENT
CONFIGURE ENVIRONMENT + ITS OBJECTS + SENSORS
STORE CONFIGURATION WITH OBJECTS AND SENSORS IN CONFIGURATION DATABASE
ADD SENSOR MAC ADDRESS(ES) TO RFID TAG WITH BIRTH RECORD FOR EACH TAG
APPLY RFID TAG TO OBJECTS
APPLY SENSORS TO OBJECTS
INSTALL OBJECTS PER CONFIGURATION
READ RFID TAGS ON OBJECTS
DOWNLOAD RFID TAG INFORMATION TO CONFIGURING DATA BASE TO VERIFY CONFIGURATION
LOAD INFORMATION TO ONBOARD DATABASE

FIG.3

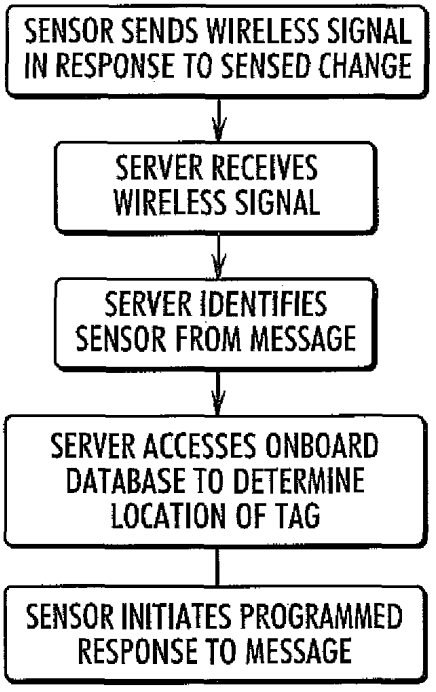
SENSOR SENDS WIRELESS SIGNAL IN RESPONSE TO SENSED CHANGE
SERVER RECEIVES WIRELESS SIGNAL
SERVER IDENTIFIES SENSOR FROM MESSAGE
SERVER ACCESSES ONBOARD DATABASE TO DETERMINE LOCATION OF TAG
SENSOR INITIATES PROGRAMMED RESPONSE TO MESSAGE

FIG.4

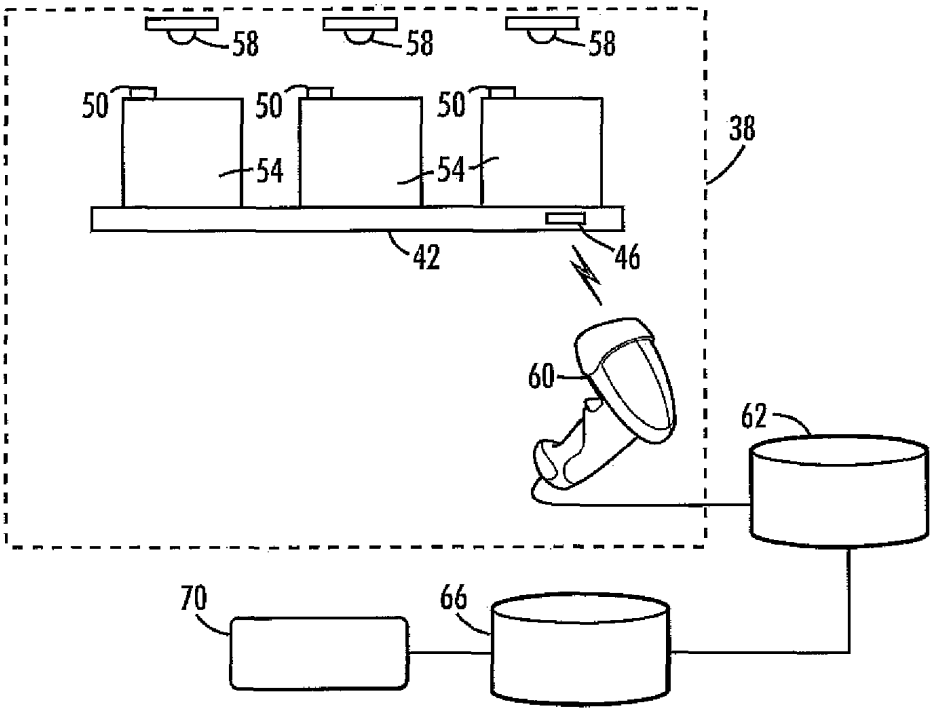

FIG.5

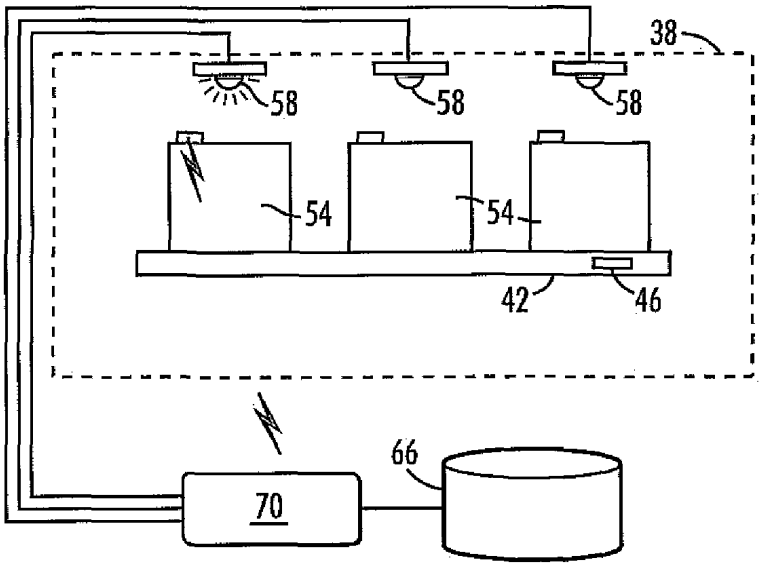

FIG.6

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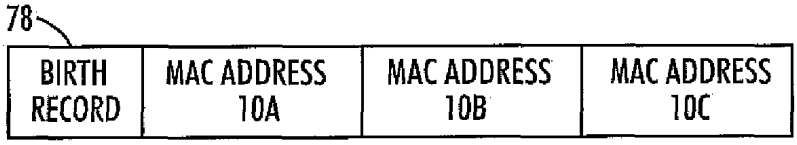
MAC ADDRESS
MESSAGE PAYLOAD

FIG. 7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BIRTH RECORD
MAC ADDRESS 10A
MAC ADDRESS 10B
MAC ADDRESS 10C

FIG. 8