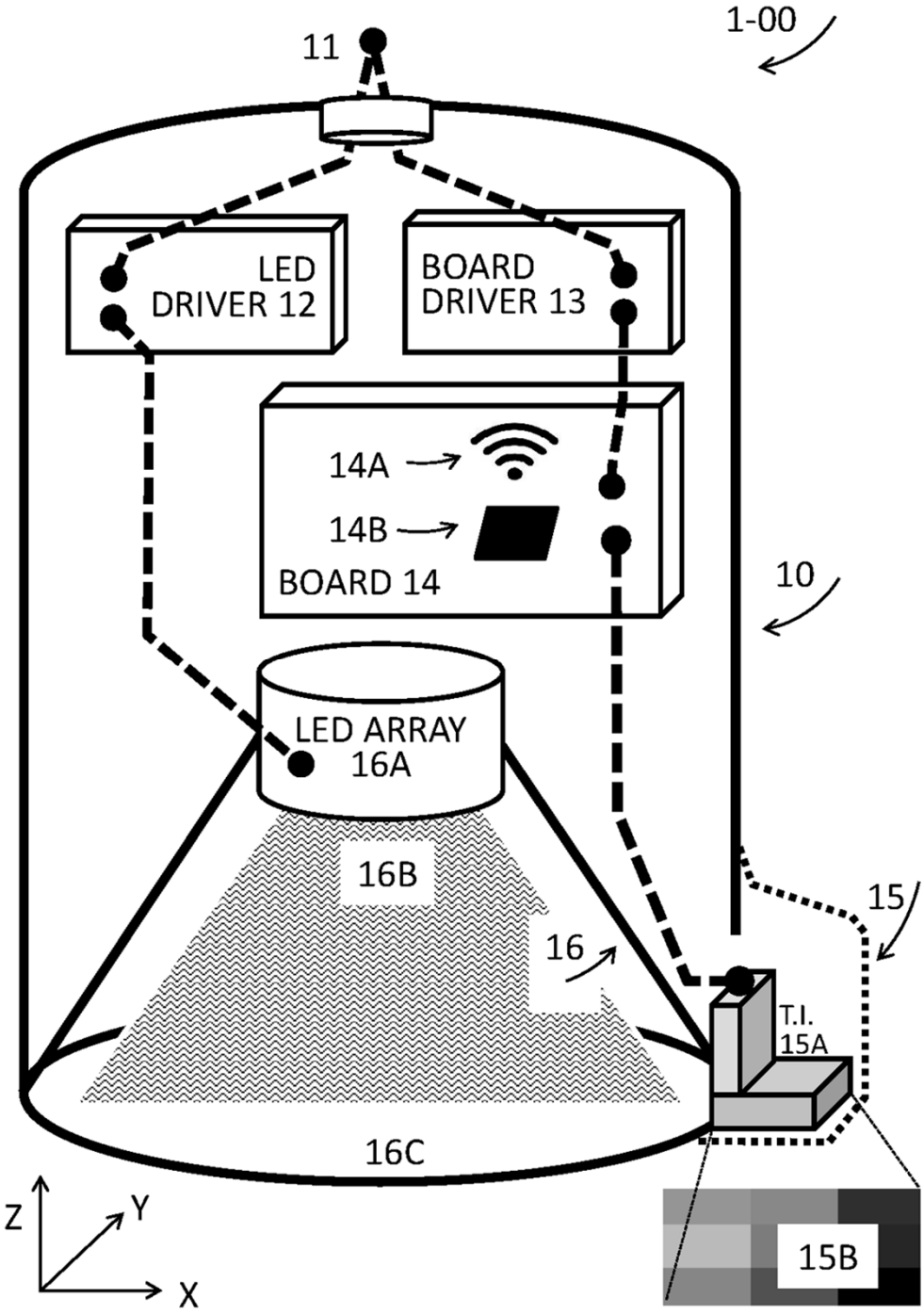

11
1-00
LED
DRIVER 12
BOARD
DRIVER 13
14A
14B
BOARD 14
10
LED ARRAY
16A
16B
16
15
T.I.
15A
16C
Z
Y
X
15B

FIG. 1

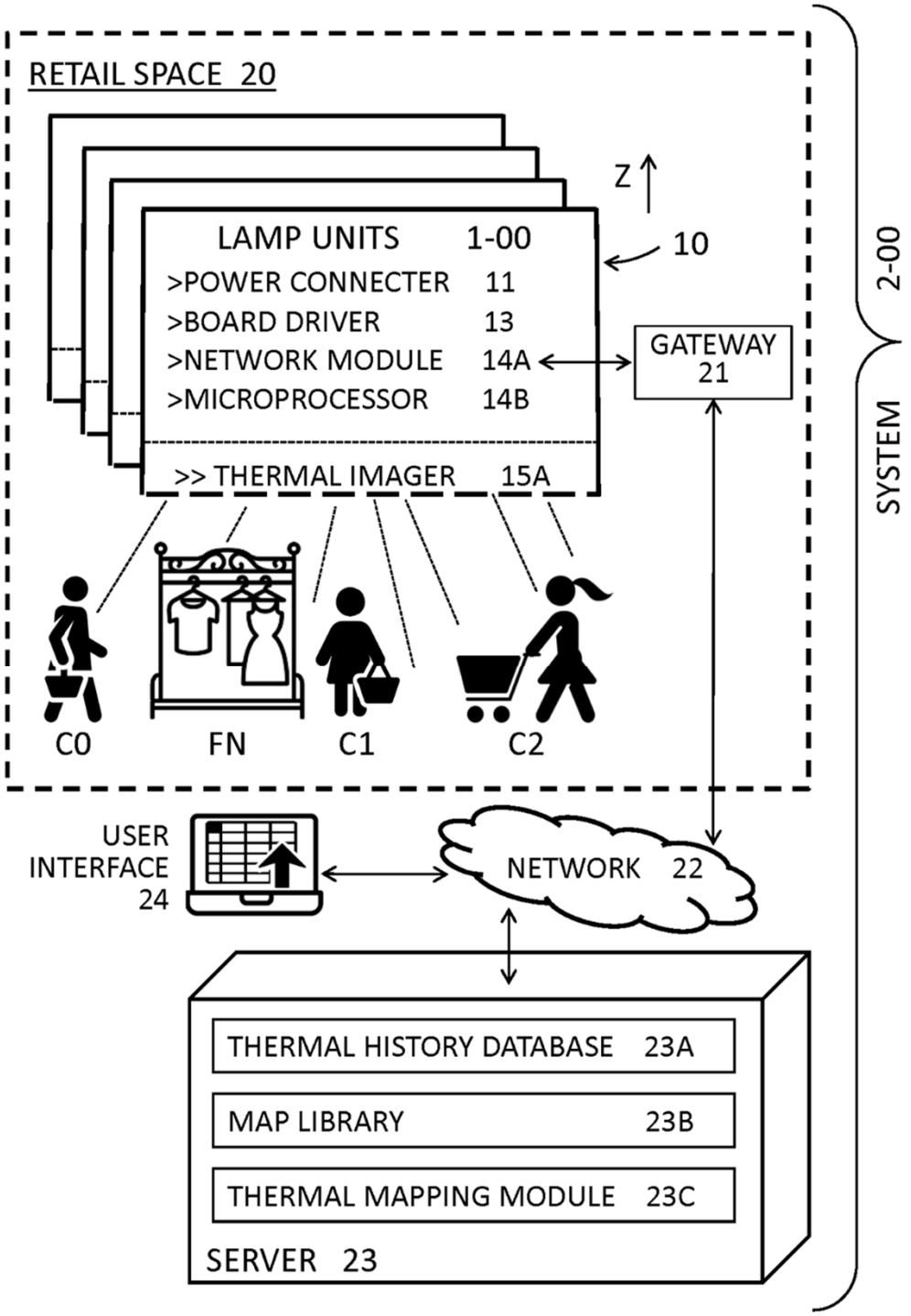

RETAIL SPACE 20
Z
LAMP UNITS 1-00
10
>POWER CONNECTER 11
>BOARD DRIVER 13
>NETWORK MODULE 14A
>MICROPROCESSOR 14B
GATEWAY 21
>> THERMAL IMAGER 15A
C0
FN
C1
C2
SYSTEM 2-00
USER INTERFACE 24
NETWORK 22
THERMAL HISTORY DATABASE 23A
MAP LIBRARY 23B
THERMAL MAPPING MODULE 23C
SERVER 23

FIG. 2

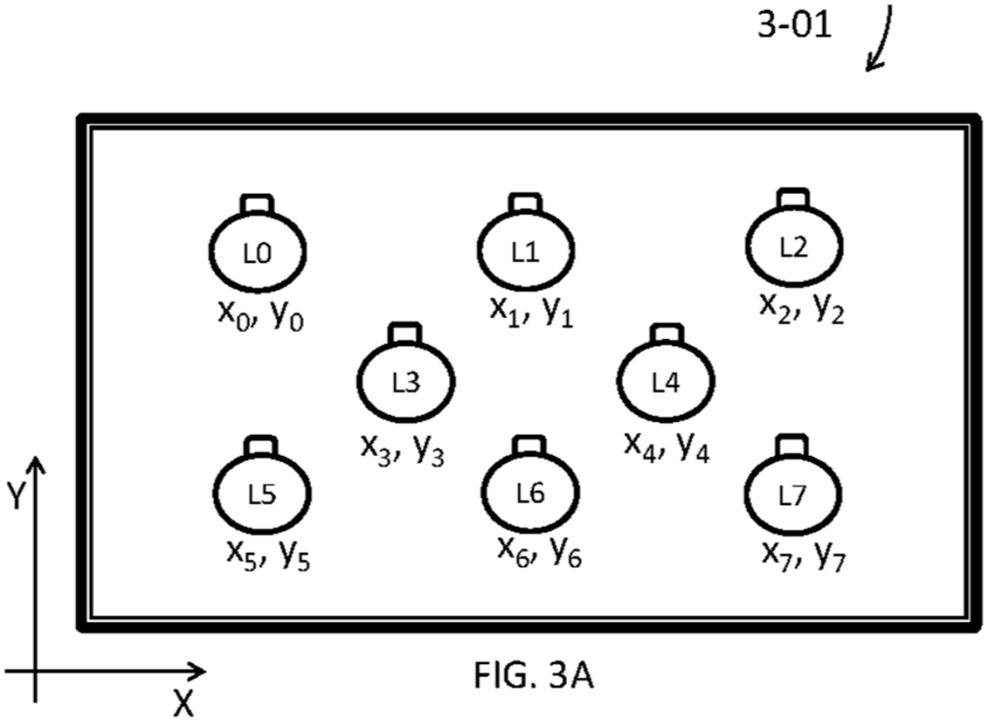

3-01
L0
x_0, y_0
L1
x_1, y_1
L2
x_2, y_2
L3
x_3, y_3
L4
x_4, y_4
L5
x_5, y_5
L6
x_6, y_6
L7
x_7, y_7
Y
X

FIG. 3A

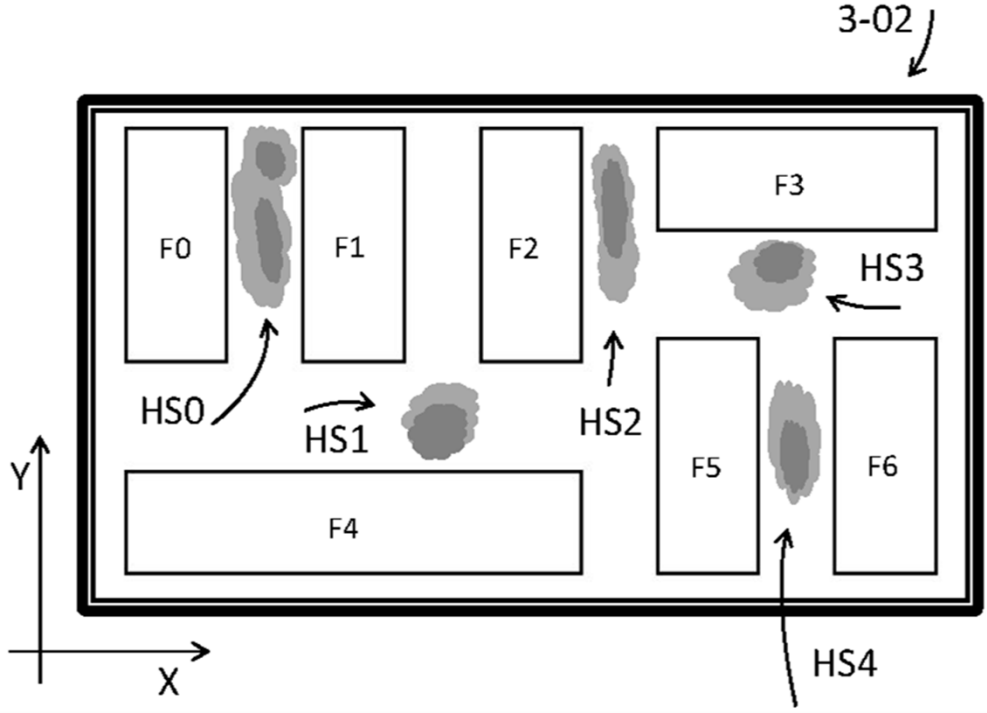

3-02
F0
F1
F2
F3
F4
F5
F6
HS0
HS1
HS2
HS3
HS4
Y
X

FIG. 3

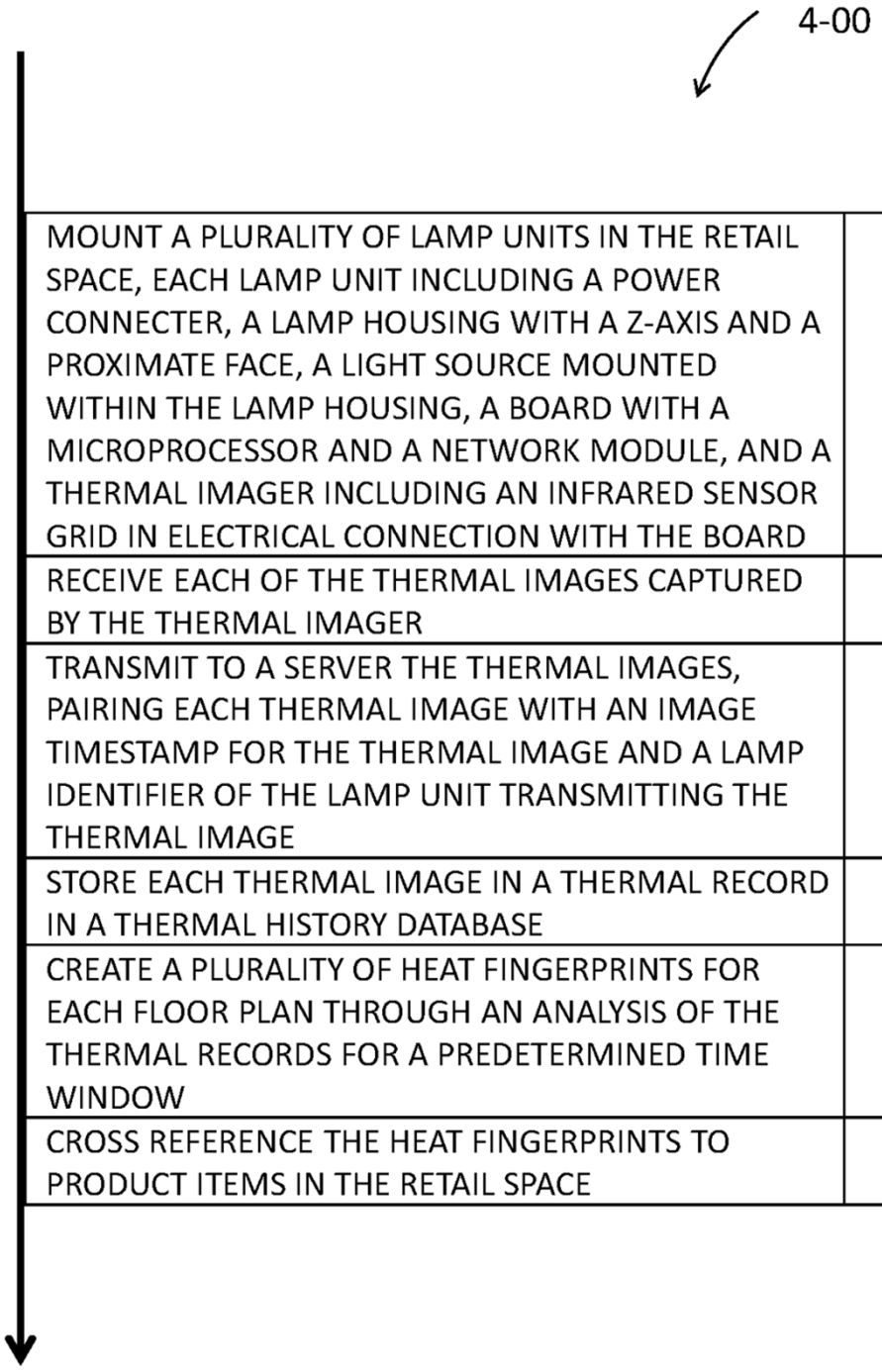

4-00
MOUNT A PLURALITY OF LAMP UNITS IN THE RETAIL SPACE, EACH LAMP UNIT INCLUDING A POWER CONNECTER, A LAMP HOUSING WITH A Z-AXIS AND A PROXIMATE FACE, A LIGHT SOURCE MOUNTED WITHIN THE LAMP HOUSING, A BOARD WITH A MICROPROCESSOR AND A NETWORK MODULE, AND A THERMAL IMAGER INCLUDING AN INFRARED SENSOR GRID IN ELECTRICAL CONNECTION WITH THE BOARD
4-01
RECEIVE EACH OF THE THERMAL IMAGES CAPTURED BY THE THERMAL IMAGER
4-02
TRANSMIT TO A SERVER THE THERMAL IMAGES, PAIRING EACH THERMAL IMAGE WITH AN IMAGE TIMESTAMP FOR THE THERMAL IMAGE AND A LAMP IDENTIFIER OF THE LAMP UNIT TRANSMITTING THE THERMAL IMAGE
4-03
STORE EACH THERMAL IMAGE IN A THERMAL RECORD IN A THERMAL HISTORY DATABASE
4-04
CREATE A PLURALITY OF HEAT FINGERPRINTS FOR EACH FLOOR PLAN THROUGH AN ANALYSIS OF THE THERMAL RECORDS FOR A PREDETERMINED TIME WINDOW
4-05
CROSS REFERENCE THE HEAT FINGERPRINTS TO PRODUCT ITEMS IN THE RETAIL SPACE
4-06

FIG. 4