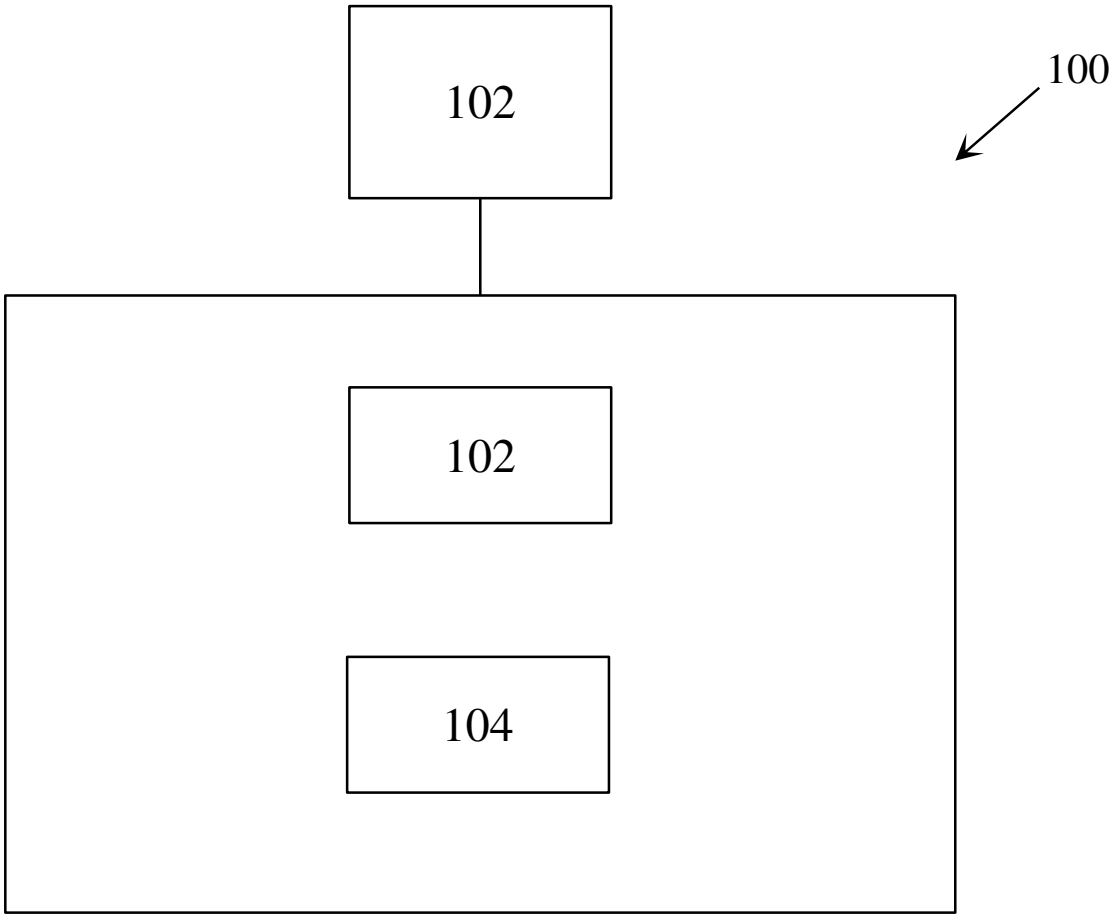

FIG. 1

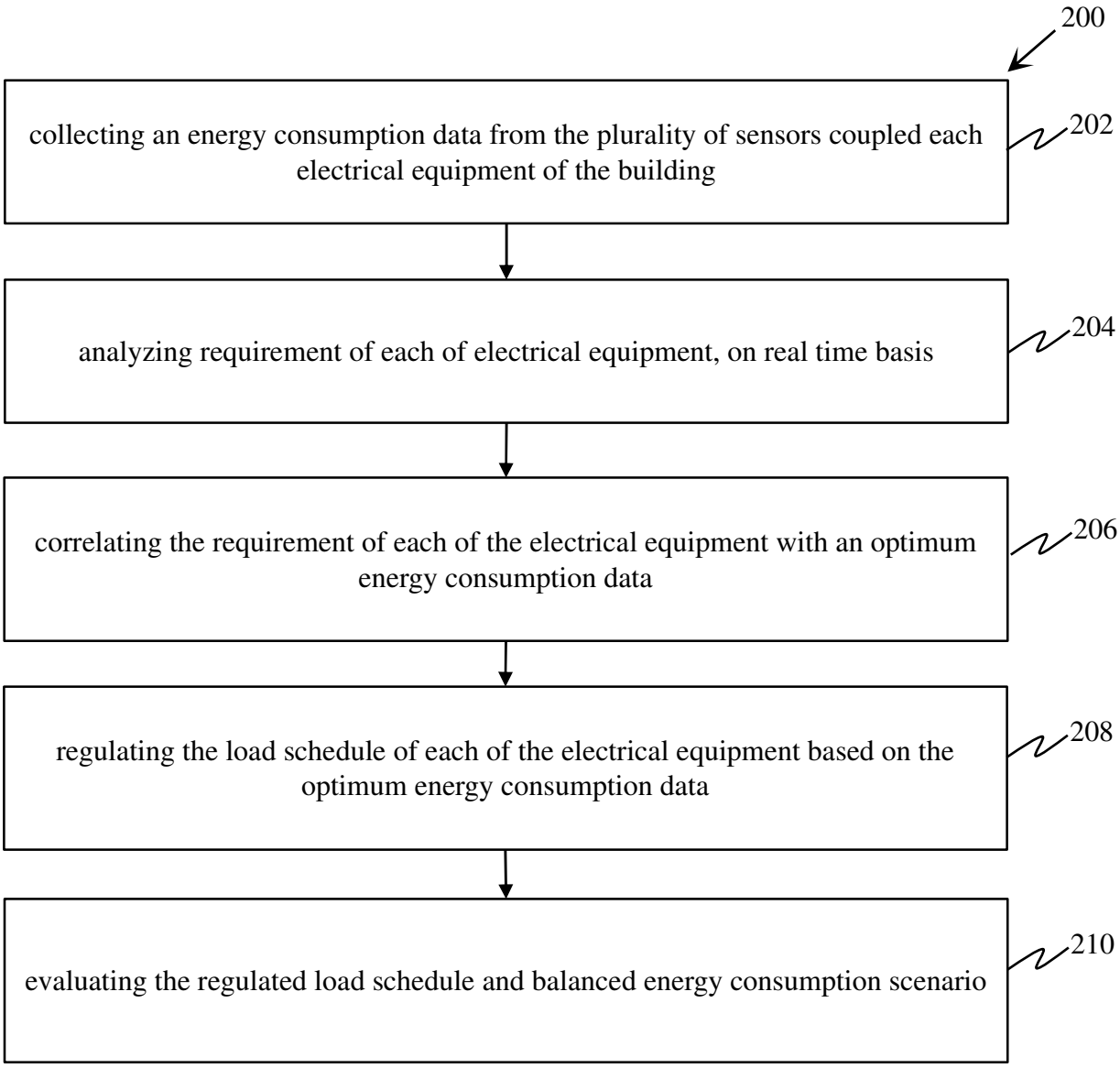
200
collecting an energy consumption data from the plurality of sensors coupled each electrical equipment of the building
202
analyzing requirement of each of electrical equipment, on real time basis
204
correlating the requirement of each of the electrical equipment with an optimum energy consumption data
206
regulating the load schedule of each of the electrical equipment based on the optimum energy consumption data
208
evaluating the regulated load schedule and balanced energy consumption scenario
210

FIG. 2

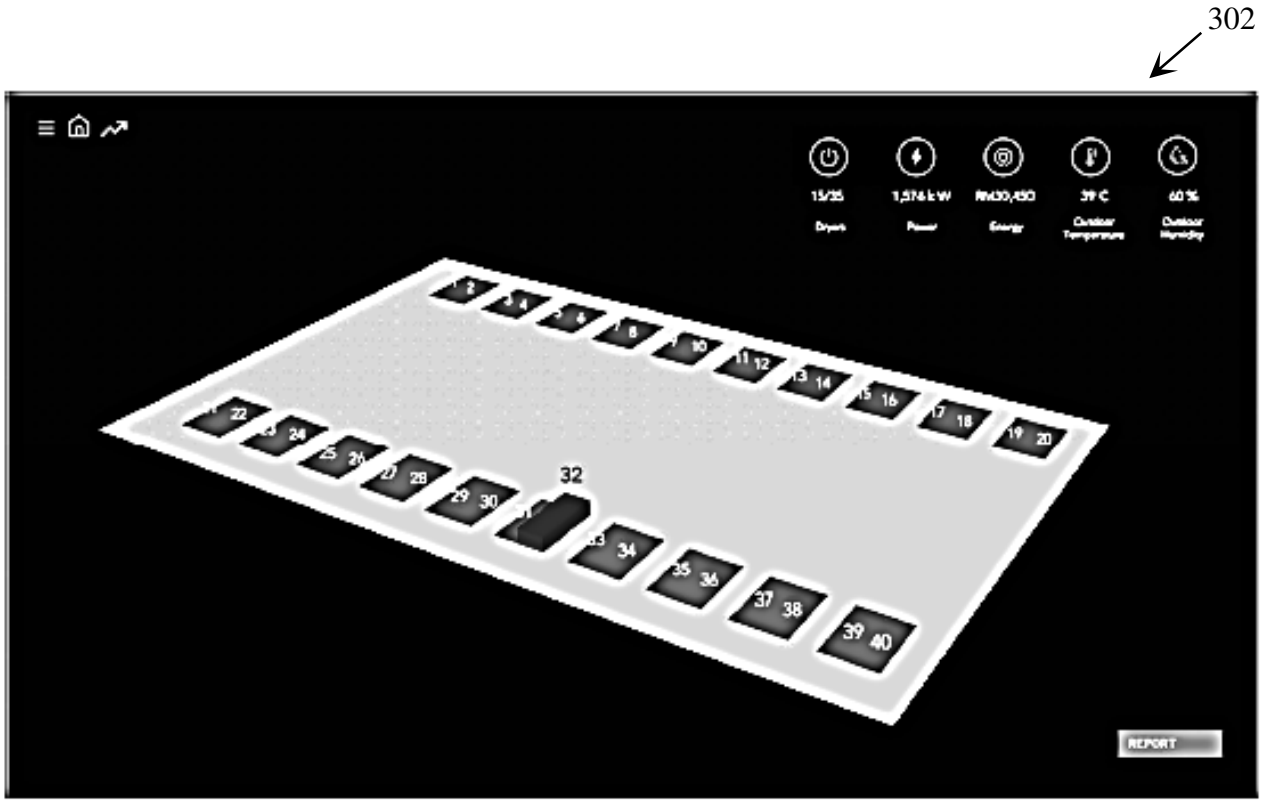
302
15/35
Dryers
1,574 kW
Power
RM30,450
Energy
39 °C
Outdoor Temperature
60 %
Outdoor Humidity
32
REPORT

FIG. 3A

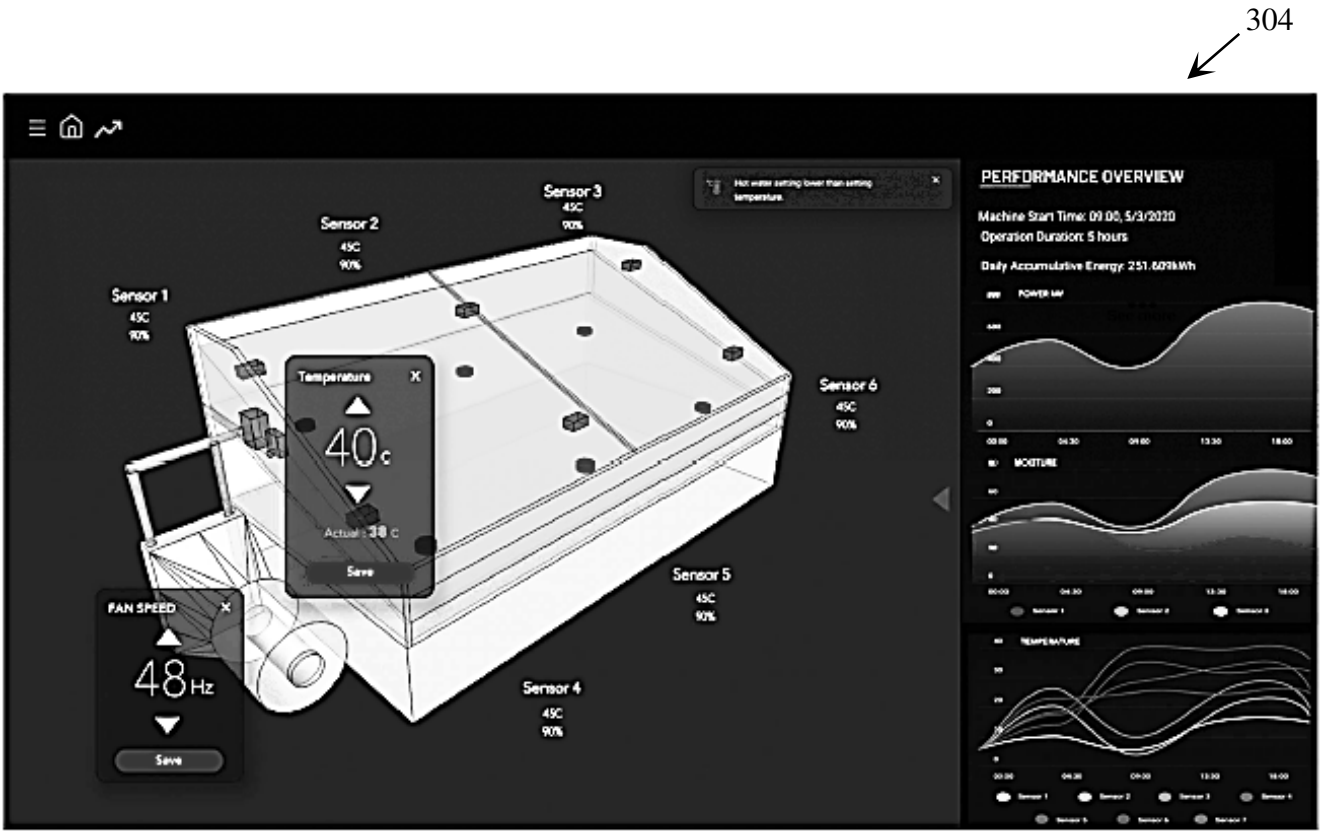
304
Sensor 1
45C
90%
Sensor 2
45C
90%
Sensor 3
45C
90%
Sensor 4
45C
90%
Sensor 5
45C
90%
Sensor 6
45C
90%
Temperature
40c
Actual : 38 C
Save
FAN SPEED
48Hz
Save
PERFORMANCE OVERVIEW
Machine Start Time: 09:00, 5/3/2020
Operation Duration: 5 hours
Daily Accumulative Energy: 251.609kWh
POWER kW
MOISTURE
TEMPERATURE

FIG. 3B

306

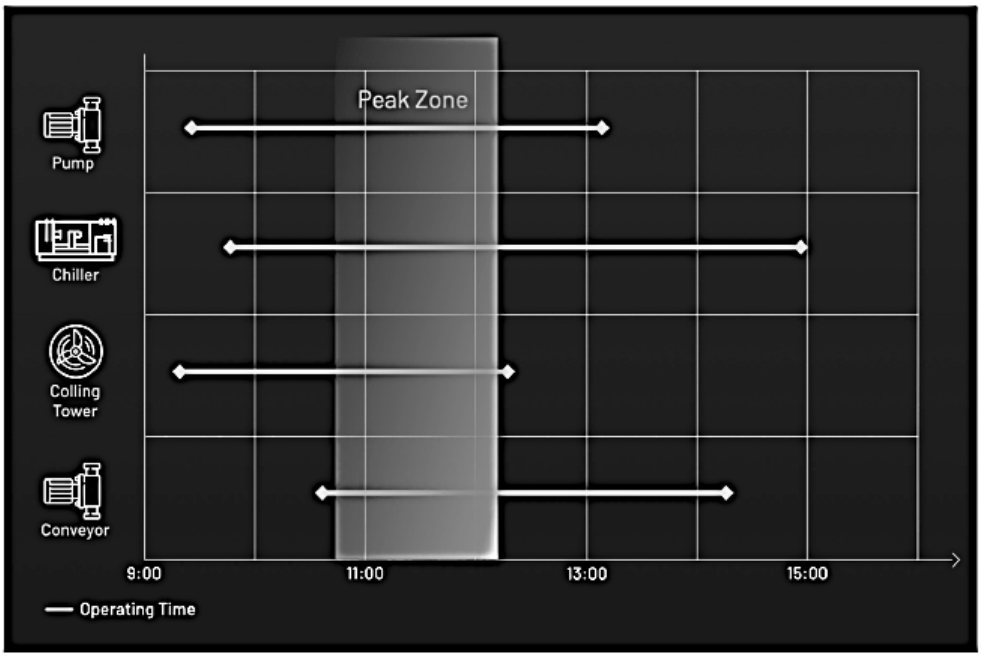
Peak Zone
Pump
Chiller
Colling Tower
Conveyor
9:00
11:00
13:00
15:00
Operating Time

FIG. 3C

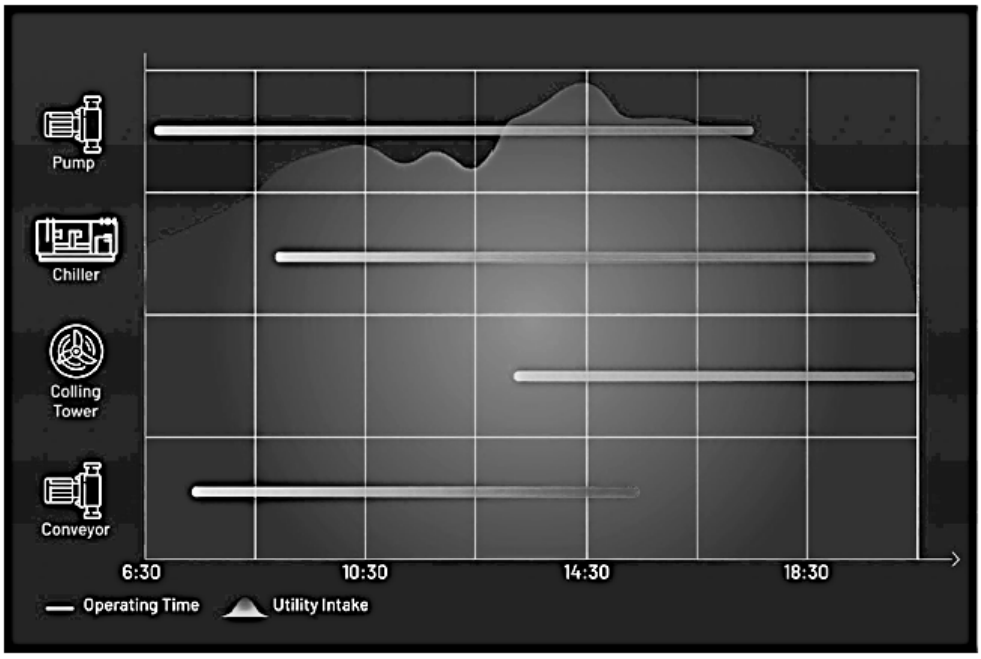
308
Pump
Chiller
Colling Tower
Conveyor
6:30
10:30
14:30
18:30
Operating Time
Utility Intake

FIG. 3D

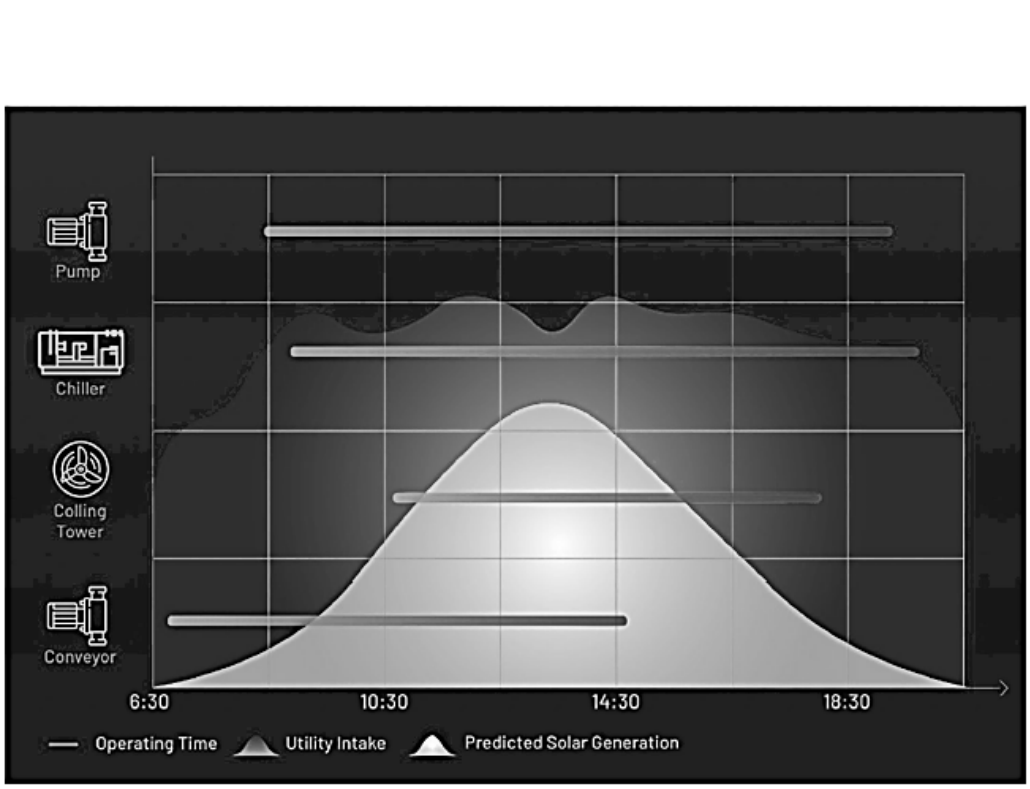
310
Pump
Chiller
Colling Tower
Conveyor
6:30
10:30
14:30
18:30
Operating Time
Utility Intake
Predicted Solar Generation

FIG. 3E