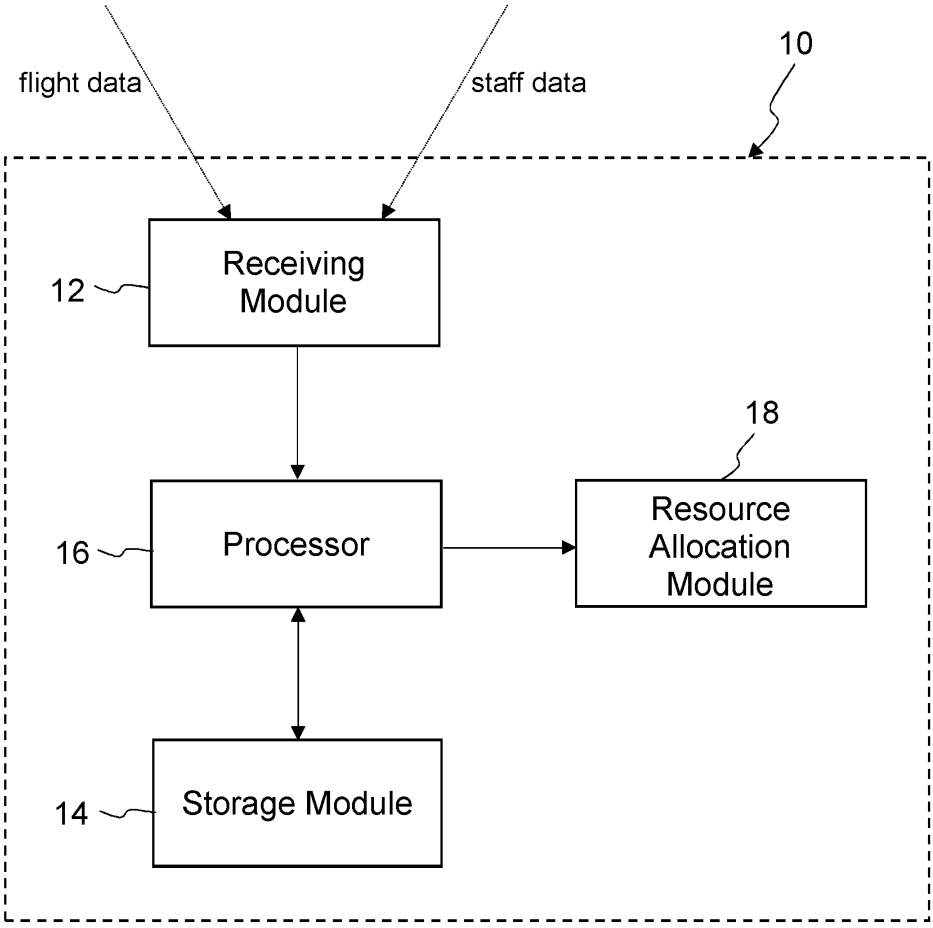

flight data
staff data
10
12
Receiving Module
18
16
Processor
Resource Allocation Module
14
Storage Module

FIG. 1

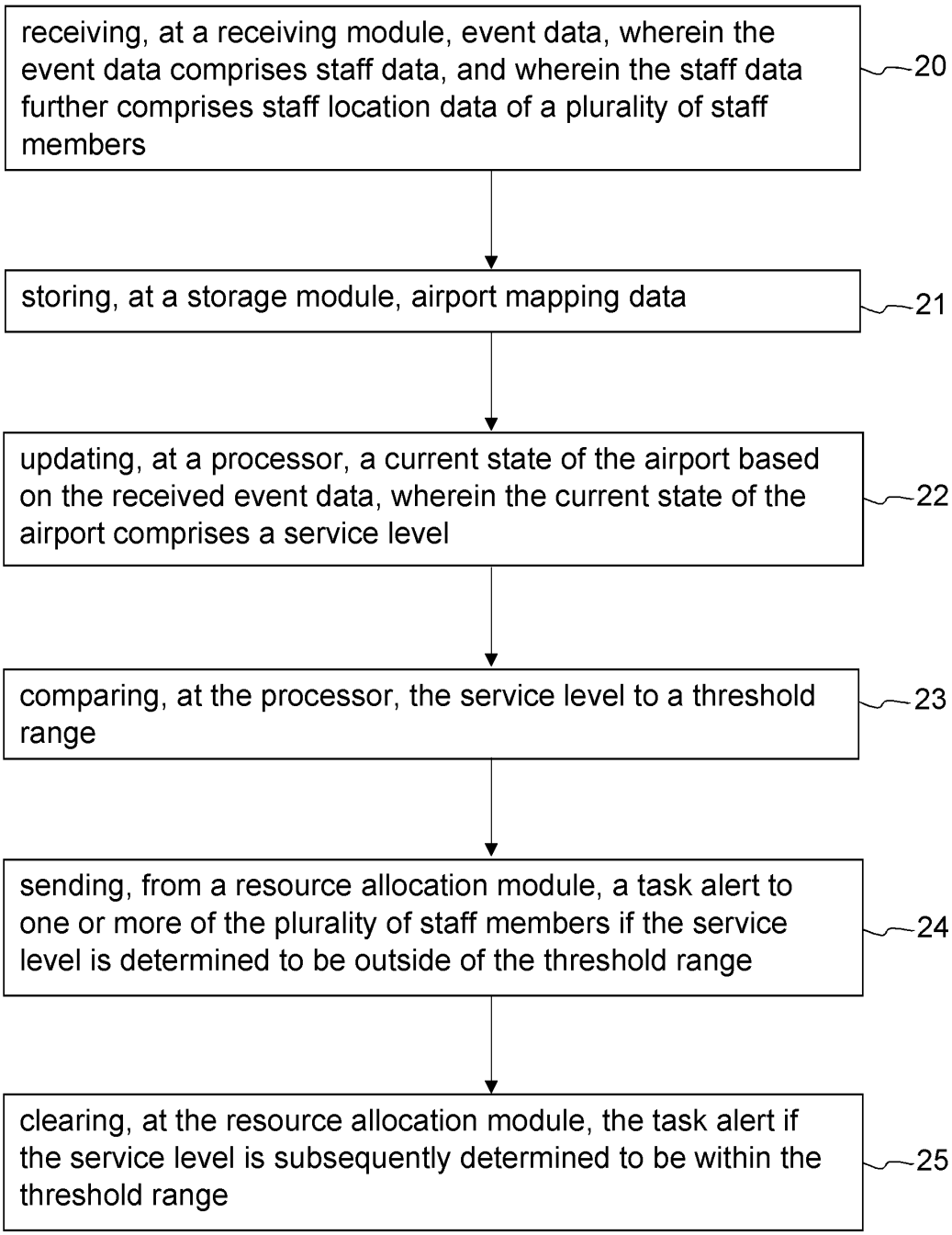

receiving, at a receiving module, event data, wherein the event data comprises staff data, and wherein the staff data further comprises staff location data of a plurality of staff members
20
storing, at a storage module, airport mapping data
21
updating, at a processor, a current state of the airport based on the received event data, wherein the current state of the airport comprises a service level
22
comparing, at the processor, the service level to a threshold range
23
sending, from a resource allocation module, a task alert to one or more of the plurality of staff members if the service level is determined to be outside of the threshold range
24
clearing, at the resource allocation module, the task alert if the service level is subsequently determined to be within the threshold range
25

FIG. 2

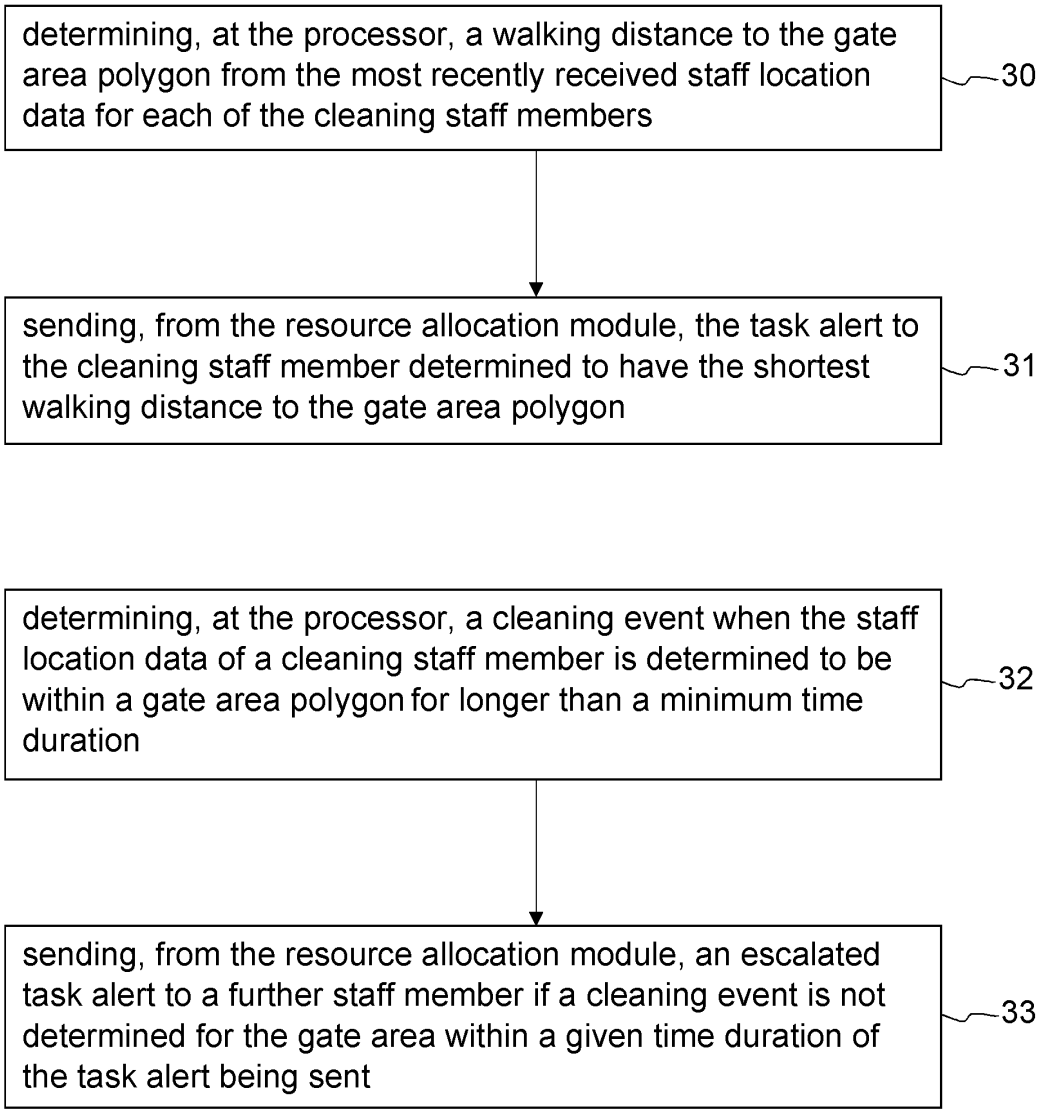

determining, at the processor, a walking distance to the gate area polygon from the most recently received staff location data for each of the cleaning staff members
30
sending, from the resource allocation module, the task alert to the cleaning staff member determined to have the shortest walking distance to the gate area polygon
31
determining, at the processor, a cleaning event when the staff location data of a cleaning staff member is determined to be within a gate area polygon for longer than a minimum time duration
32
sending, from the resource allocation module, an escalated task alert to a further staff member if a cleaning event is not determined for the gate area within a given time duration of the task alert being sent
33

FIG. 3