

Smart Electricity Monitor and Energy Management System including Same

ABSTRACT

Smart electricity monitors with unique identities placed at individual power outlets
5 within a building communicate frequent power measurements to a service which determines,
from this power usage data, which outlets are associated with occupied seats within the
building. This occupancy information can be used to update an occupancy model for the
building that is used to forecast the building's occupancy. Based on present occupancy,
projected occupancy, and other data, in some instances, the building's thermostats can be
10 controlled and unoccupied seats can be assigned dynamically.

Figure 3