

ENERGY SAVING UNIT AND SYSTEM FOR BUILDINGS BY MUTUAL LEARNING

ABSTRACT

To propose a unit capable of saving energy equally to another building having achieved utmost energy saving without depending on knowledge and skill of a responsible person who performs operation of a building. A unit includes a receiving means of sensor information of the unit, a communication means with the other units, a storage means for storing target building information and information on sensors and facilities in an information-exchangeable manner, an identification means for identifying an internal unit and an external unit of the other building by specific information, an optimization means for reading an energy calculation expression, etc., of the internal unit, selecting an operation condition provided, and performing simulation of the entire target building, a related-unit searching means for searching the other internal unit and the external unit for a related unit, an optimization means for reading an operation condition from the related units, performing simulation for optimization, and an operation means for operating the facilities on the basis of the operation condition and the sensor information.

(Figure 3)