

ABSTRACT

A remote monitoring and controlling system according to the present invention includes: an adjusting parameter identification means (c12) for identifying an adjusting parameter for controlling air-conditioning equipment (e11); a device characteristic storage section (c13) for storing characteristic of a device and system configuration of the air-conditioning equipment (e11); an air-conditioning equipment simulator (c14) for simulating an energy consumption amount of the air-conditioning equipment (e11); and a managing-adjusting computer (c1) including an optimization computing means (c15) for performing optimization computation, wherein the managing-adjusting computer (c1) computes optimization control data for controlling the air-conditioning equipment (e11) for an evaluation function (W) related to energy consumption to come to a desired value, in response to environmental condition, and based on characteristic of at least one of a heat source device (1) for producing the cold heat or the hot heat and a heat exchanger (4) for heat exchange with the heat source, and characteristic of a transfer system for transferring heat medium.