

Structural Organization of the Server System of Multiuser Device for Home Health Control

Abstract

The organizational principles of the server system of multiuser device for home health control based on the Electrophotonic Imaging technology are presented. We discuss the prospects of implementing a new Internet of Things (IoT) scenario for personal monitoring of health status through a cell phone. The system is based on the Electrophotonic Imaging (EPI) method which is based on recording patterns of light created by emission stimulated by an electromagnetic field and computer processing of recorded images. In 2021, the Bio-Well device's mobile version is released, working with the phone through Bluetooth. As practice has shown, many users want to modify the system, using their logo and design, a set of specific programs in the package, often with the formulation of individual recommendations, for example, on the applied aromatic oils, supplements, or diets. This demand required creating a server-based multiuser system that allows for flexible system configuration for specific user groups with automatic tracking of access and individual parameters. This article describes the algorithmic structure of this system.

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