

WATER PURIFIER SYSTEM WITH ACCURATE IDENTIFICATION OF SERVICE LIFE OF FILTER ELEMENT AND FILTER ELEMENT THEREOF

Abstract

The application discloses a water purifier system with accurate identification of service life of a filter element and a filter element thereof, belonging to the technical field of water purifiers. Specifically, it comprises a water purifier main body, a filter element, a main PCB control board arranged on the water purifier main body and a data recording chip fixed on the filter element; a timing unit and a data statistics unit are arranged on the main PCB control board for calculating and computing service life of the filter element and a filtered water volume; the data recording chip is used to record the filtered water volume, service days and identification number for identifying genuine products of the filter element, and the filtered water volume and service days are recorded on the data recording chip in a cumulative manner. When the main PCB control board recognizes that the product identification number is incorrect, the water purifier main body would refuse to supply water to the filter element. According to the application, the data recording chip is arranged on the filter element, so that the real service time and the filtered water volume are recorded, and the authenticity is identified, thus the authenticity of the service life of the filter element is ensured, and the use of fake and inferior products is avoided.

FIG. 1