

DATA IDENTIFICATION STRUCTURE OF A FILTER ELEMENT

Abstract

The application discloses a data identification structure of a filter element, which belongs to the technical field of water purifiers. Specifically, it comprises a filter element and a filter cartridge sleeved outside the filter element, wherein a filter element chip is arranged on the filter cartridge, a chip holder is fixed on the filter cartridge, and the filter element chip and the chip holder are detachably connected; a water purifier main body is provided with an identification chip and data transmission between the identification chip and the filter element chip is performed through electrical signals. On the premise that the purchased filter element is genuine, if the filter element chip is damaged, the main body of the water purifier cannot be identified and used. As the application adopts the design of detachable connection between the filter element chip and the filter cartridge, the filter element can be reused by replacing a new filter element chip, thus avoiding the loss of the filter cartridge caused by the integration of the filter cartridge and the filter element chip.

FIG. 1