

Abstract

TITLE OF INVENTION: BULK ACOUSTIC WAVE RESONATOR AND PREPARATION METHOD THEREOF

The present application discloses a bulk acoustic wave resonator and a preparation method thereof. The bulk acoustic wave resonator includes: a substrate, a transducer stacking structure, and a protective layer; the transducer stacking structure is located on one side of the substrate; a cavity is arranged in the substrate; the cavity penetrates through a portion of the substrate; a release channel is arranged in the transducer stacking structure; the release channel penetrates through the transducer stacking structure and is communicated to the cavity; the protective layer is arranged on a surface of one side of the transducer stacking structure away from the substrate; and the protective layer includes a waterproof material.

Fig. 1