

Abstract

Title of Invention: Bulk Acoustic Resonator and Electrode Design Method for the bulk acoustic resonator

The present disclosure relates to the technical field of resonators. Provided are a bulk acoustic resonator and an electrode design method for the bulk acoustic resonator. The bulk acoustic resonator includes a substrate, and a bottom electrode, a piezoelectric layer and a top electrode laminated on the substrate in sequence. The bottom electrode and/or the top electrode have orthographic projections on the substrate, the profile of the orthographic projections is formed by sequentially connecting a plurality of curve segments end to end, the plurality of curve segments are all intercepted from line segments near non-endpoints of a plurality of Bezier curves, and the order of the Bezier curves is equal to or greater than 2.

Fig. 1