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(54) Title: SAW-BASED ELECTRONIC ELEMENTS AND FILTER DEVICES

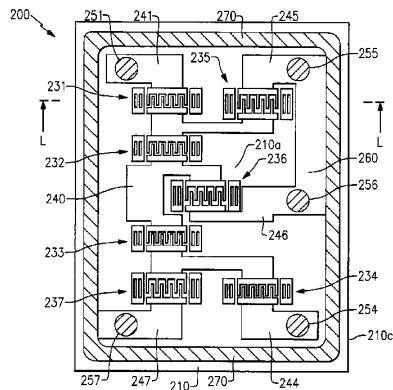


FIG. 3A

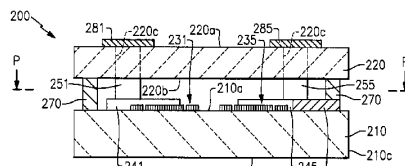


FIG. 3B

(57) Abstract: Aspects and examples provide electronic elements and filter devices configured to prevent deterioration of the propagation characteristics caused by input and output signals being electromagnetically coupled to an electric conductor side wall. In one example an electronic filter (200) includes an element substrate (210) having a top surface (210a), a bottom surface (210b), a side surface (210b), and piezoelectric body. A circuit including a plurality of SAW resonators (231 - 273) is formed on the top surface of the element substrate. The electronic filter further includes a sealing substrate (220) having a top surface (220a) and a bottom surface (220b), and a side wall (270) including an electric conductor and formed to define a cavity between the top surface of the element substrate and the bottom surface of the sealing substrate, the side wall enclosing a periphery of the circuit and being connected to a ground potential of the circuit.

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