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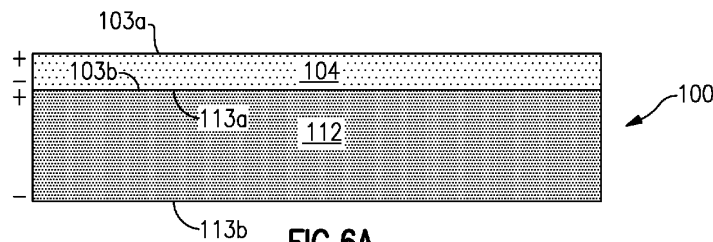


FIG. 6A

(57) Abstract: Acoustic wave devices and related methods are disclosed. In some embodiments, an acoustic wave device can include a quartz substrate having a first surface, and a piezoelectric plate formed from LiTaO₃ or LiNbO₃ and having a first surface configured to support a surface acoustic wave and a second surface in engagement with the first surface of the quartz substrate. The second surface of the piezoelectric plate is a minus surface resulting from crystal structure orientation of the piezoelectric plate. The acoustic wave device can further include an interdigital transducer electrode formed on the first surface of the piezoelectric plate and configured to provide transducer functionality associated with the surface acoustic wave.

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