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(54) **MULTILAYER PIEZOELECTRIC
SUBSTRATE ACOUSTIC DEVICE WITH
INTERDIGITAL TRANSDUCER ELECTRODE
FORMED AT LEAST PARTIALLY IN
PIEZOELECTRIC LAYER**

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(57) **ABSTRACT**

A surface acoustic wave device is disclosed. The surface acoustic wave device can include a multilayer piezoelectric substrate having a support substrate and a piezoelectric layer over the support substrate and an interdigital transducer electrode formed at least partially in the piezoelectric layer. The interdigital transducer electrode has a first layer and a second layer including different materials. The first layer includes a material that has a mass density greater than or equal to a mass density of molybdenum.

