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(54) **MULTILAYER PIEZOELECTRIC
SUBSTRATE ACOUSTIC WAVE DEVICE
WITH TRANSVERSE MODE SUPPRESSION**

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(57) **ABSTRACT**

An acoustic wave device is disclosed. The acoustic wave device can include a piezoelectric layer, and an interdigital transducer electrode formed with the piezoelectric layer. The interdigital transducer electrode includes a finger extending from a bus bar. The finger has a first region and a second region between the first region and the bus bar. The finger has a lower side and an upper side opposite the lower side. The lower side is closer to the piezoelectric layer than the upper side. Widths of the lower side in the first and second regions are generally the same, and a width of the upper side in the first region is greater than a width of the upper side in the second region.

