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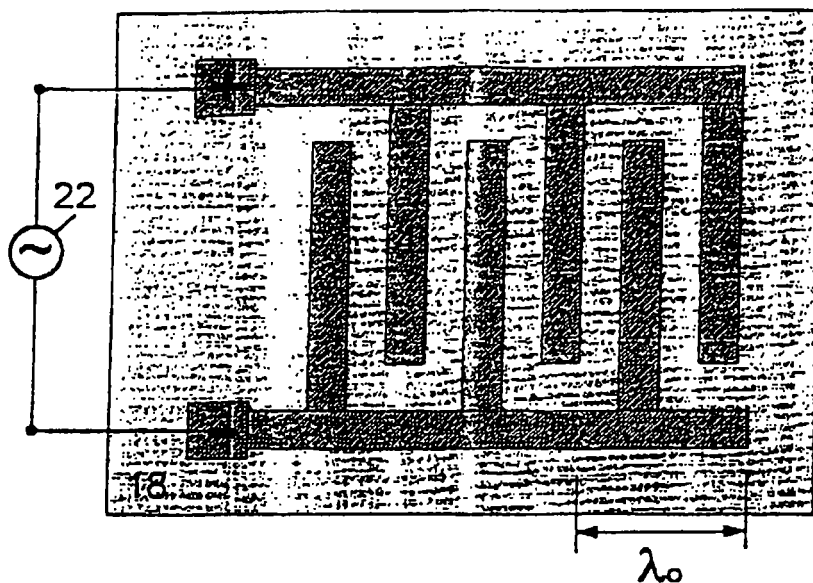
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(54) Title: SURFACE ACOUSTIC WAVE DEVICE



(57) Abstract: A surface acoustic wave device that can operate in alternate-phase mode and single-phase mode, and thus generate surface acoustic waves at two different frequencies. The device is based on a piezoelectric film deposited on an elastic substrate, and includes an electrode layer patterned as two interdigital electrodes and electrical source (2). The device is operated in alternate-phase mode by connecting the two electrodes to different ends of an electrical source (22). The device is operated in single-phase mode by connecting the two electrodes to the same end of an electrical source.

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