

Elastic wave device**ABSTRACT**

The present invention relates to an elastic wave device, in particular a shear wave device, comprising a piezoelectric material 3, in particular a ferroelectric material with first domains 3a having a first polarization direction 13a and second domains 3b having a second polarization direction 13b, the first direction 13a being opposite to the second direction, in which the first and second domains 3a, 3b are alternated periodically along a direction d, called the periodic direction, perpendicular to the normal n of the surface of the piezoelectric material 3, and a pair of interdigitated comb electrodes 15a, 15b above the, in particular on the, piezoelectric material 3, the respective comb teeth 17a1 to 17a3 and 17b1 to 17b3 extend mainly perpendicular to the periodic direction d and to the normal n to the surface of the substrate.

Figure for the abstract: Fig. 1