ABSTRACT OF THE DISCLOSURE

Provided is a surface wave device constructed of a quartz substrate and capable of utilizing a surface wave having a high sonic speed. A surface wave device (1) is constructed of a surface wave substrate (2) comprising a quartz substrate (2a) on which an ZnO thin film (2b) as a piezoelectric thin film is formed. IDT's (3, 4) comprising respective paris of comb teeth electrodes (3a, 3b, 4a, 4b) are formed in contact with the ZnO thin film (2b). The thickness of the piezoelectric thin film (2b) is controlled to be able to oscillate a higher-order mode of leakage elastic surface waves.

This Sheet Has Been Replaced

