DESCRIPTION

~~DEVICE FOR MEASURING CHARACTERISTIC OF MEASUREMENT OBJECT~~

TECHNICAL FIELD

[0001]

The present invention relates to an object characteristics measurement apparatus which includes a surface acoustic wave device which includes an interdigitated electrode that is formed on a piezoelectric substrate and excites a surface acoustic wave and which forms a reaction field in which a measured object is to be loaded between the interdigitated electrode and an end of the piezoelectric substrate in the propagation direction of the surface acoustic wave.

This application claims priority from Japanese Patent Application No. 2011-281603 filed on December 22, 2011, and Japanese Patent Application No. 2012-232060 filed on October 19, 2012, the contents of which are incorporated herein by reference in their entirety.

BACKGROUND ART

[0002]

Generally, the surface acoustic wave device is provided with a piezoelectric substrate, and a transmitting electrode and a receiving electrode which are constituted by comb-shaped electrode fingers provided on the piezoelectric substrate.

In the surface acoustic wave device which is configured as described above, when an electrical signal is provided to the transmitting electrode, an electric field is generated between the electrode fingers, a surface acoustic wave is excited due to a

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