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The invention relates to the nondestructive testing and may be used for nondestructive testing of articles by acoustic impedance method.

The piezoelectric transducer for impedance flaw detector contains a piezoelectric radiating element, one end of which is connected by the first inertial load to the first piezoelectric receiving element with terminal clamp and the second end of the piezoelectric radiating element is connected by the second inertial load, identical with the first, to the second piezoelectric receiving element. At the same time, the piezoelectric receiving elements are electrically connected so that the electric voltages, generated by them in the quiescent state may reciprocally balance. The transducer additionally contains two insulating elements fixed onto the ends of the radiator and a third inertial load installed onto the free end face of the second piezoelectric receiving element, and the piezoelectric radiating element is made in the form of parallelepiped with piezoelectric cross-effect.

Claims: 1

Fig.: 1