

ABSTRACT

ULTRASONIC INSPECTION APPARATUS, ULTRASONIC PROBE APPARATUS USED FOR ULTRASONIC INSPECTION APPARATUS, AND ULTRASONIC INSPECTION METHOD

An ultrasonic inspection apparatus includes: an ultrasonic probe apparatus including an ultrasonic transducer; a drive element selecting section that selects a required piezoelectric vibrator of the ultrasonic transducer; a signal detecting circuit that detects an electric signal dependent on a reflected echo of an ultrasonic wave emitted from the selected piezoelectric vibrator; a signal processing section that produces data on an internal image of the inspection object based on the detected reflected echo; a second display unit that combines multiple pieces of image data acquired from the signal processing section and displays an integrated visualization data result; and an second input unit that is used to perform an operation command such as a command input to start or terminate an inspection or an a command to set inspection condition.

FIG. 1