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ABSTRACT

An ultrasonic inspection and imaging instrument is characterized by storing reduced image examples (images by means of reduced image display data obtained by scaling down picture display data) of an ultrasonic measurement picture beforehand, together with measurement conditions at the time the measurement picture is obtained prior to a scale-down imaging process. When the measurement is started or the measurement conditions are otherwise changed, the measurement conditions are set as those obtained from the measurement picture prior to the scale-down processing with one of the reduced image examples thus selected as an index while a list of image examples is indicated on a display and read from a memory unit for ultrasonic measuring purposes.

When a reduced image example or what is similar to the example desired by an operator is selected, proper measurement conditions are automatically set in the ultrasonic inspection and imaging instrument. When the operator wants to change or switch the measurement picture, moreover, he/she is able to make ultrasonic measurement on confirming what the subsequent image is like or what an image is desired to be selected by means of the reduced image example beforehand.

(Fig.1)

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