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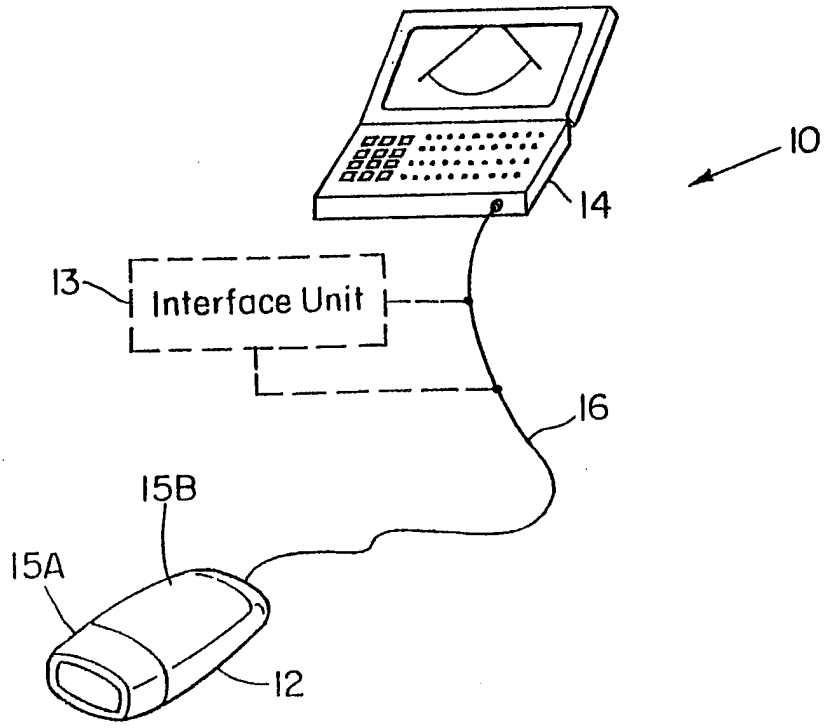
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(57) Abstract

An ultrasound imaging system includes a scan conversion process for converting ultrasound data into a standard display format conversion and can be performed on a personal computer by programming the computer to convert data from polar coordinates to cartesian coordinates suitable for display on a computer monitor. The data is provided from scan head enclosure that houses an array of ultrasonic transducers and the circuitry associated therewith, including pulse synchronizer circuitry used in the transmit mode for transmission of ultrasonic pulses and beam forming circuitry used in the receive mode to dynamically focus reflected ultrasonic signals returning from the region of interest being imaged.



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# INTERNATIONAL SEARCH REPORT

Int tional Application No
PCT/US 97/24291

A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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