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(54) **ULTRASOUND TOUCHSCREEN USER INTERFACE AND DISPLAY**

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(57) **ABSTRACT**

User interface for providing user control over device functions of an ultrasound imaging system (10) includes a touchscreen (18) and activation areas (22, 24, 26) defined thereon simultaneous images. Each activation area (22, 24, 26) has a unique assigned function relating to processing of the ultrasound images with an indication of the function being displayed on the activation area (22, 24, 26). A processor (16) is coupled to the touchscreen (18) for detecting a touch on the activation areas (22, 24, 26) and performing the function associated with each activation area (22, 24, 26) upon being touched. In this manner, all UI controls can be implemented as virtual controls by assigning the function of each control to an activation area (22, 24, 26) so that the user can simply touch the activation area and effect the desired control.

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