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Sura

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(54) **GUIDED IMAGING SYSTEM**

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CPC ***A61B 6/4225*** (2013.01); ***A61B 6/4441*** (2013.01); ***A61B 6/467*** (2013.01); ***A61B 6/54*** (2013.01); ***A61B 6/547*** (2013.01); ***A61B 6/548*** (2013.01); ***A61B 6/588*** (2013.01)

(58) **Field of Classification Search**
CPC A61B 6/00; A61N 5/10
See application file for complete search history.

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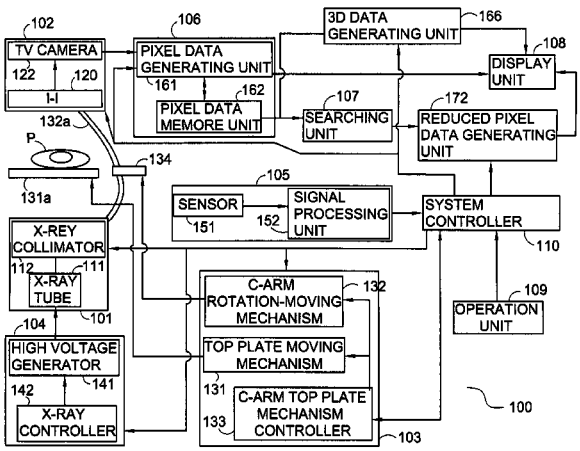
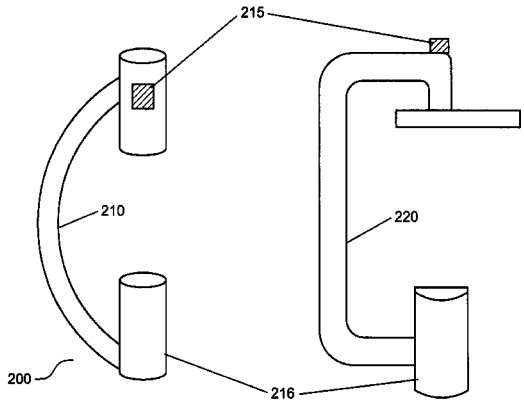
(57) **ABSTRACT**

Apparatus for wirelessly controlling a guided imaging system based upon the relative motion of the user. The system includes a power supply, a memory, an x-ray source, an image intensifier and a wireless transceiver coupled to the image intensifier. A separate wireless input device comprising a wireless transmitter for communicating with the wireless transceiver of the imaging system may comprise one or more sensors capable of detecting force and directional movement. This detection of movement may then be transmitted to the imaging system and translated into position signals that may direct movement and position of the image intensifier (I-I) as part of the imaging system.

16 Claims, 9 Drawing Sheets