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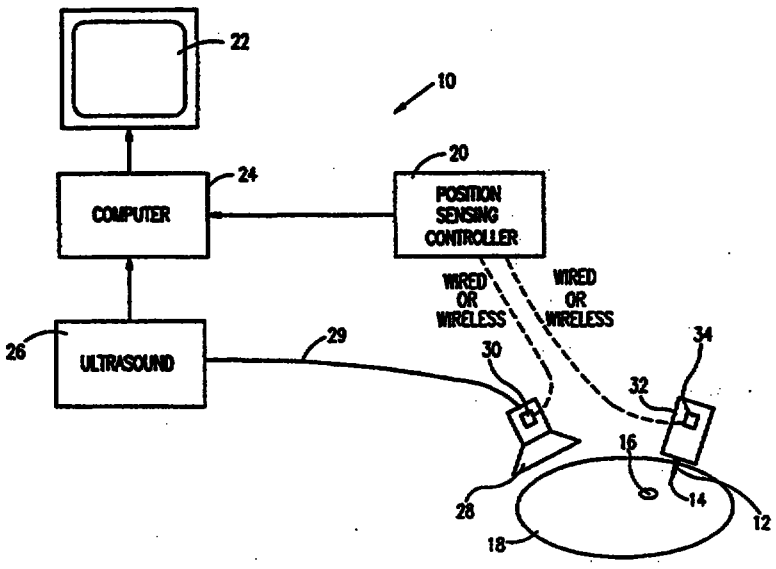
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(54) Title: FREE-HAND AIMING OF A NEEDLE GUIDE



(57) Abstract

This invention is a method for free-hand directing of a needle (12) towards a target (16) located in a body volume, the method including the steps of producing an image of the target and the body volume (18), transmitting the image by means of an imaging detector (28) to a display screen (22) which communicates with a position sensing controller (20), sensing spatial orientation data of the imaging detector with respect to a reference, transmitting the spatial orientation data of the imaging detector to the position sensing controller, displaying the spatial orientation data onto the display screen, placing the needle with a point thereof substantially pointing at the target sensing spatial orientation data of the needle with respect to the reference, transmitting the spatial orientation data of the needle to the position sensing controller, causing the position sensing controller, based on the spatial orientation data of the imaging detector and of the needle, to indicate on the display screen a trajectory of the needle point, and inserting the needle into the body volume towards the target in accordance with the trajectory indicated on the display screen.