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(54) **STERILE NETWORKED INTERFACE FOR MEDICAL SYSTEMS**

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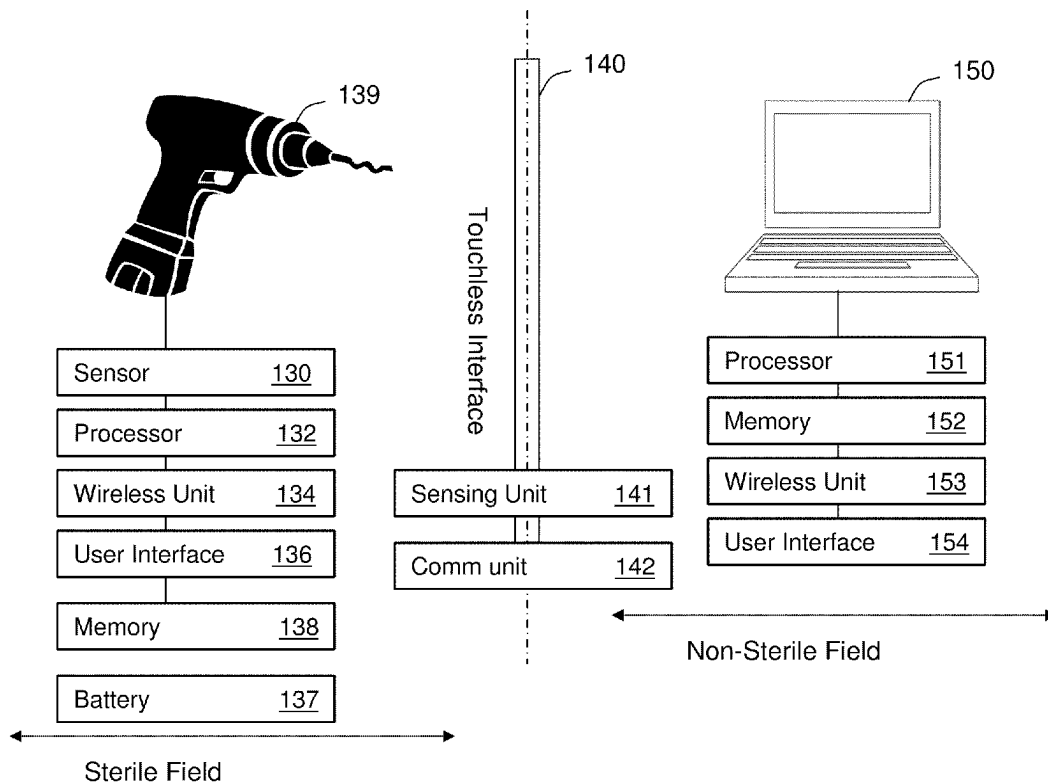
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(57) **ABSTRACT**

One embodiment of a sterile networked interface system is provided comprising a hand-held surgical tool and a data processing system. The surgical tool includes a sensor for sensing a physical variable related to the surgery, a wireless communication unit to transmit the physical variable to the data processing system, and a battery for powering the hand-held surgical tool. The surgical tool sends the physical variable and orientation information responsive to a touchless gesture control and predetermined orientation of the surgical tool. Other embodiments are disclosed.



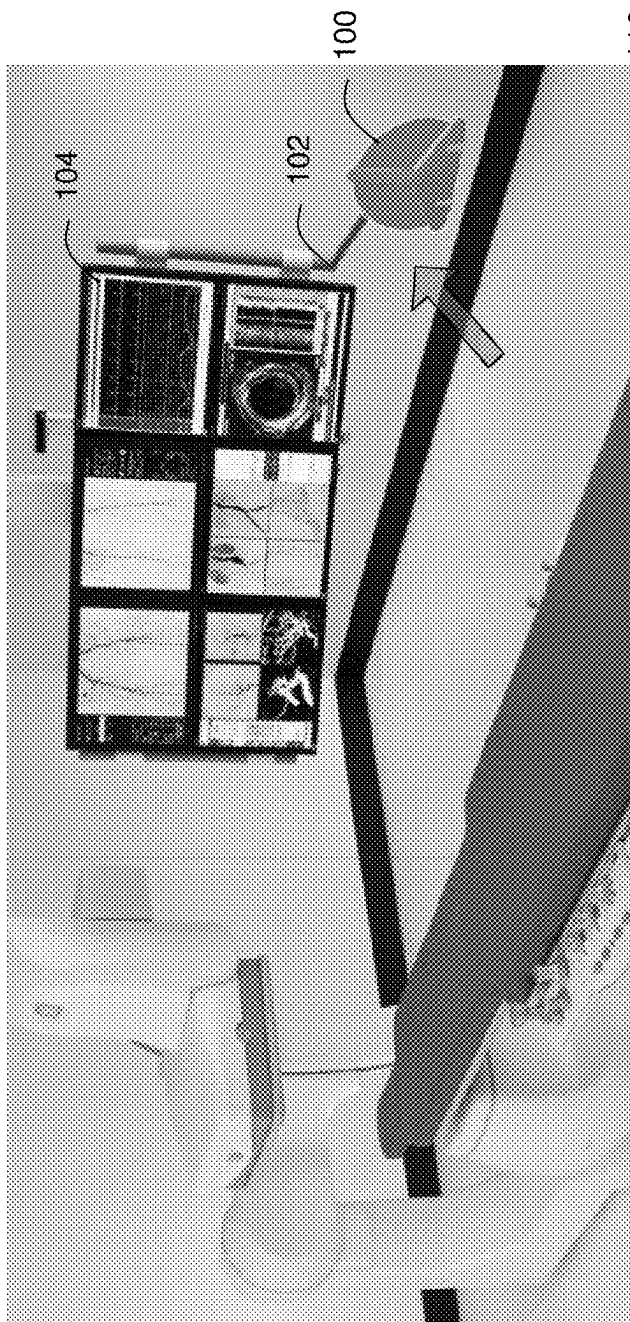


FIG. 1A

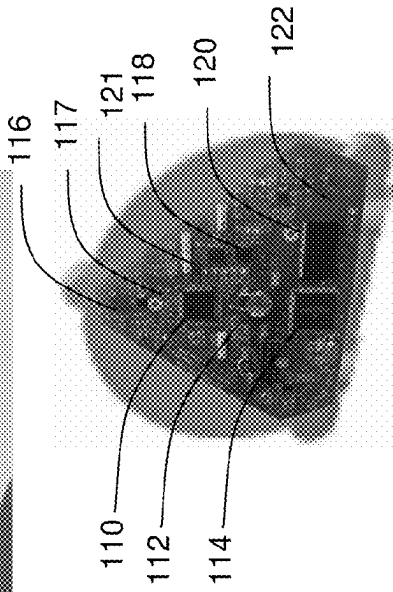


FIG. 1B

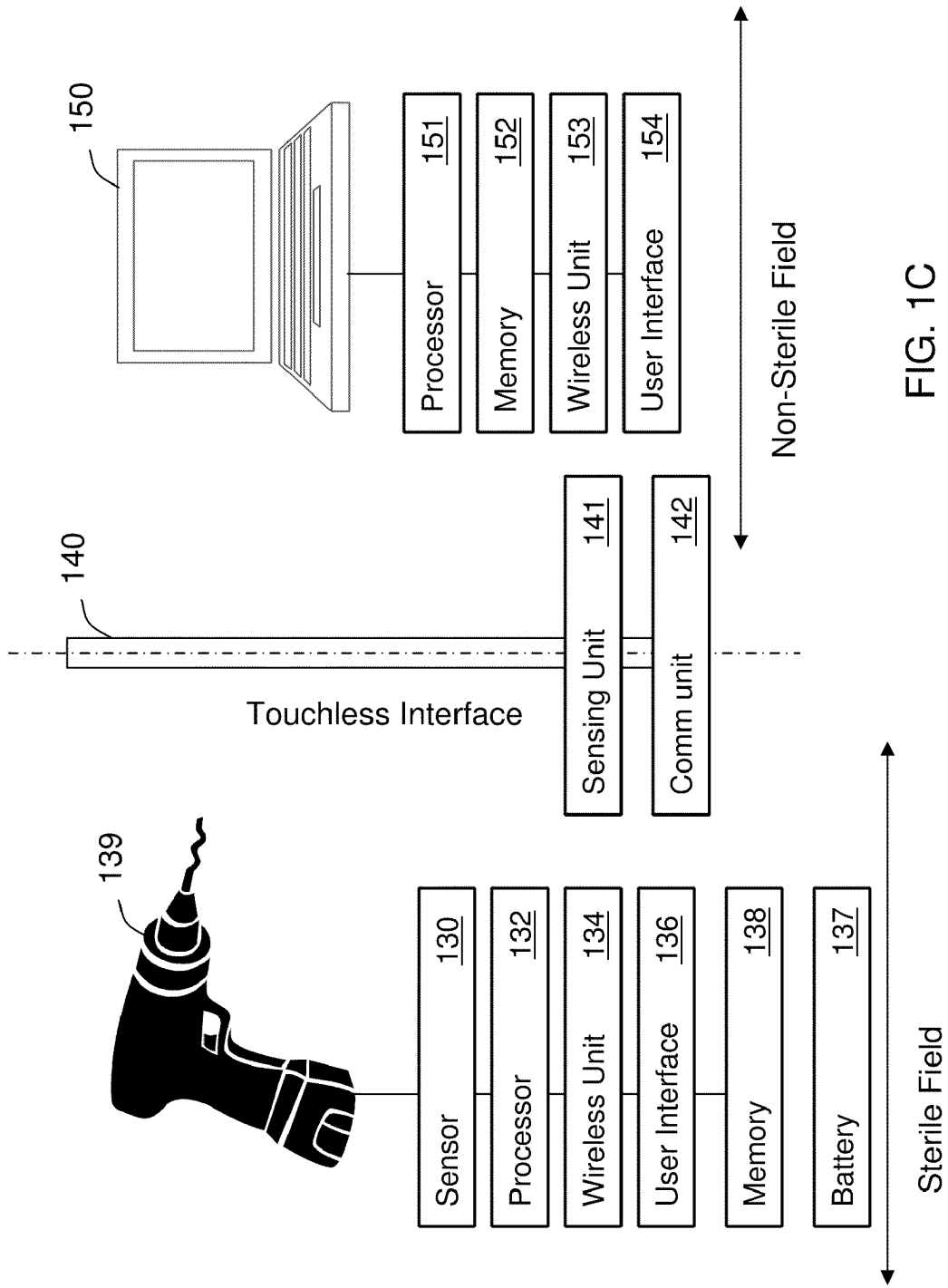


FIG. 1C

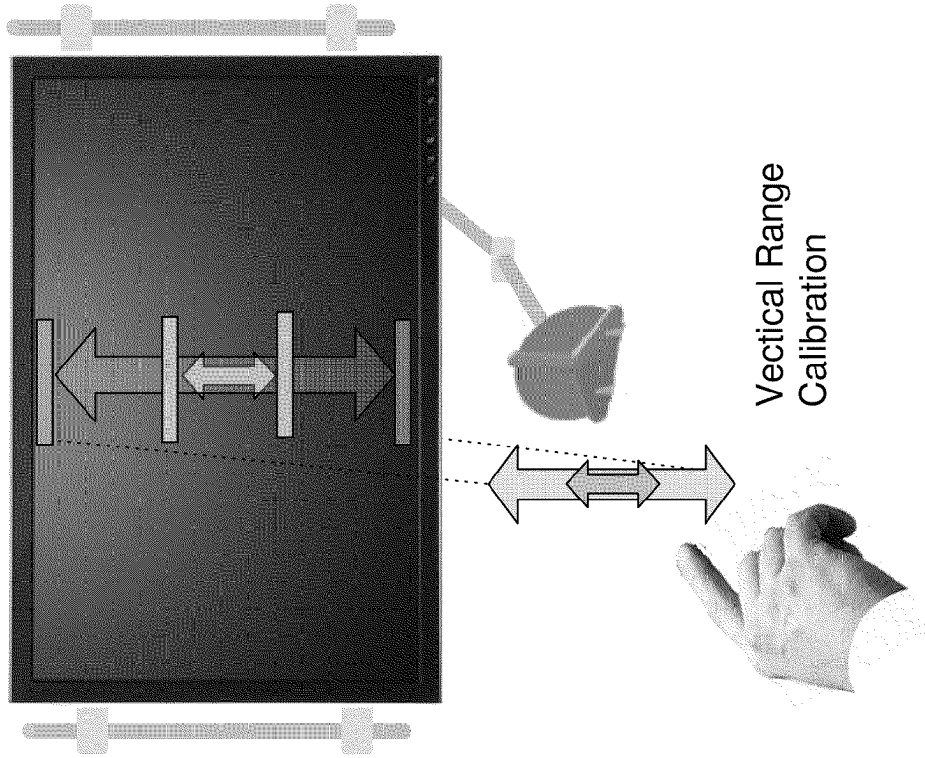


FIG. 2B

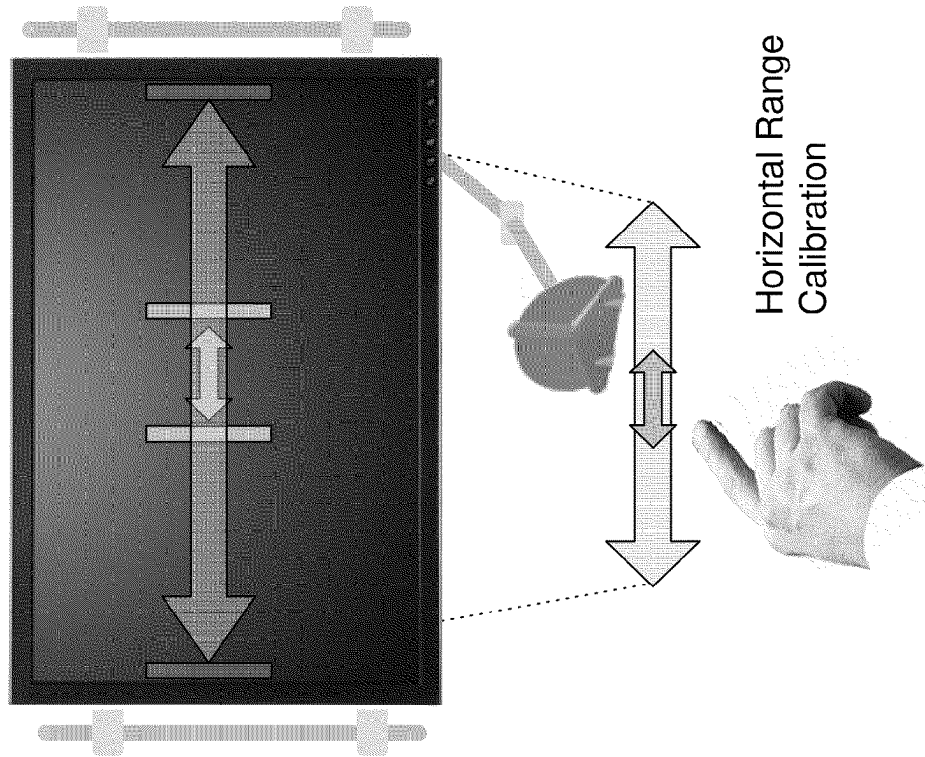


FIG. 2A

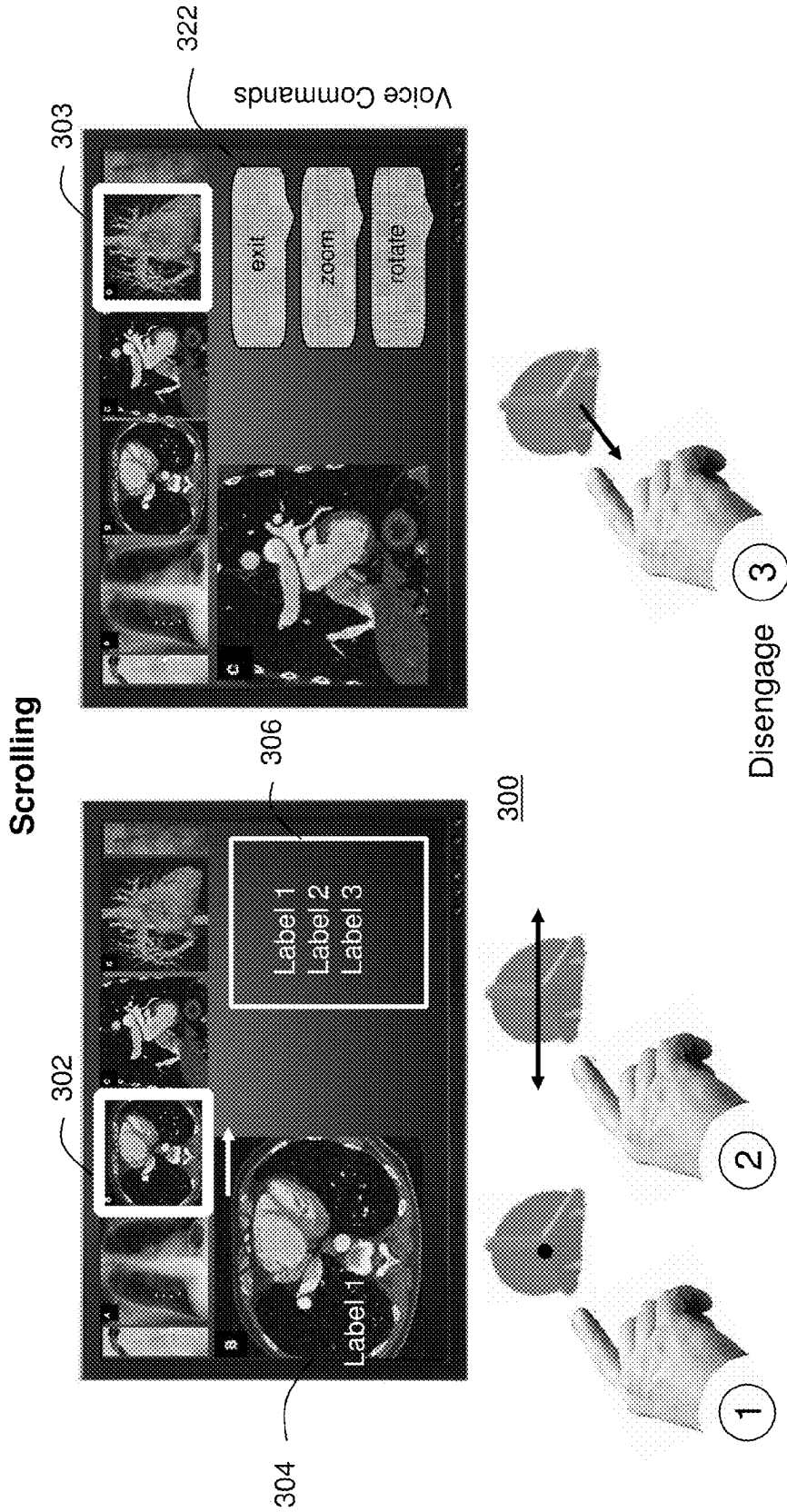


FIG. 3B

FIG. 3A

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