



US 20100231509A1

(19) **United States**(12) **Patent Application Publication****Boillot et al.**(10) **Pub. No.: US 2010/0231509 A1**(43) **Pub. Date: Sep. 16, 2010**(54) **STERILE NETWORKED INTERFACE FOR MEDICAL SYSTEMS**(76) Inventors: **Marc Boillot**, Plantation, FL (US);
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Plantation, FL 33322 (US)(21) Appl. No.: **12/723,486**(22) Filed: **Mar. 12, 2010****Related U.S. Application Data**

(60) Provisional application No. 61/159,793, filed on Mar. 12, 2009.

Publication Classification(51) **Int. Cl.****A61B 17/00** (2006.01)**G06F 3/033** (2006.01)**G09G 5/00** (2006.01)(52) **U.S. Cl.** **345/156**; 606/1; 715/863

(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.

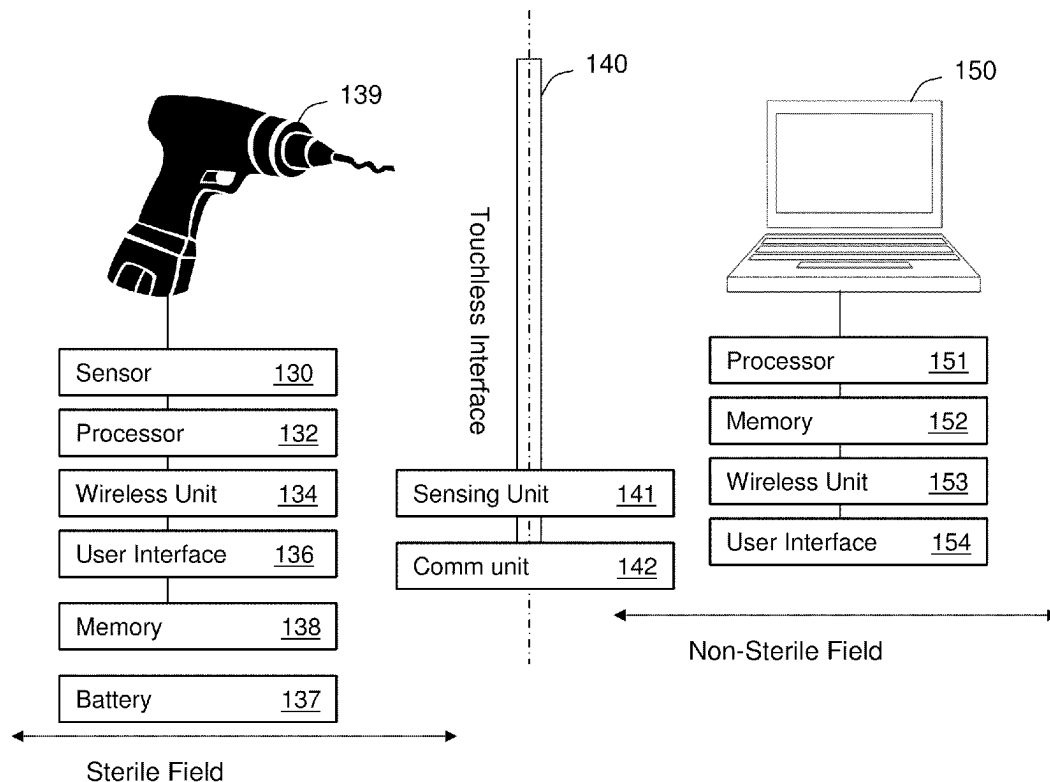




FIG. 1A

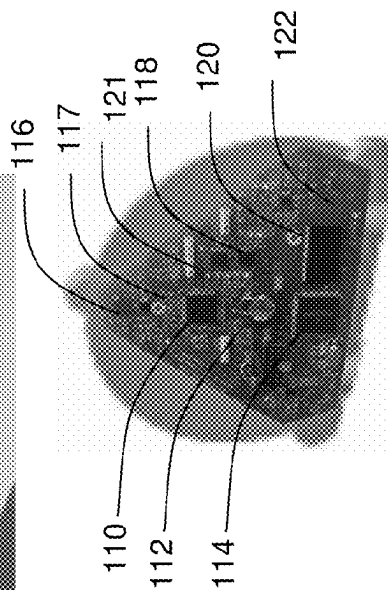


FIG. 1B

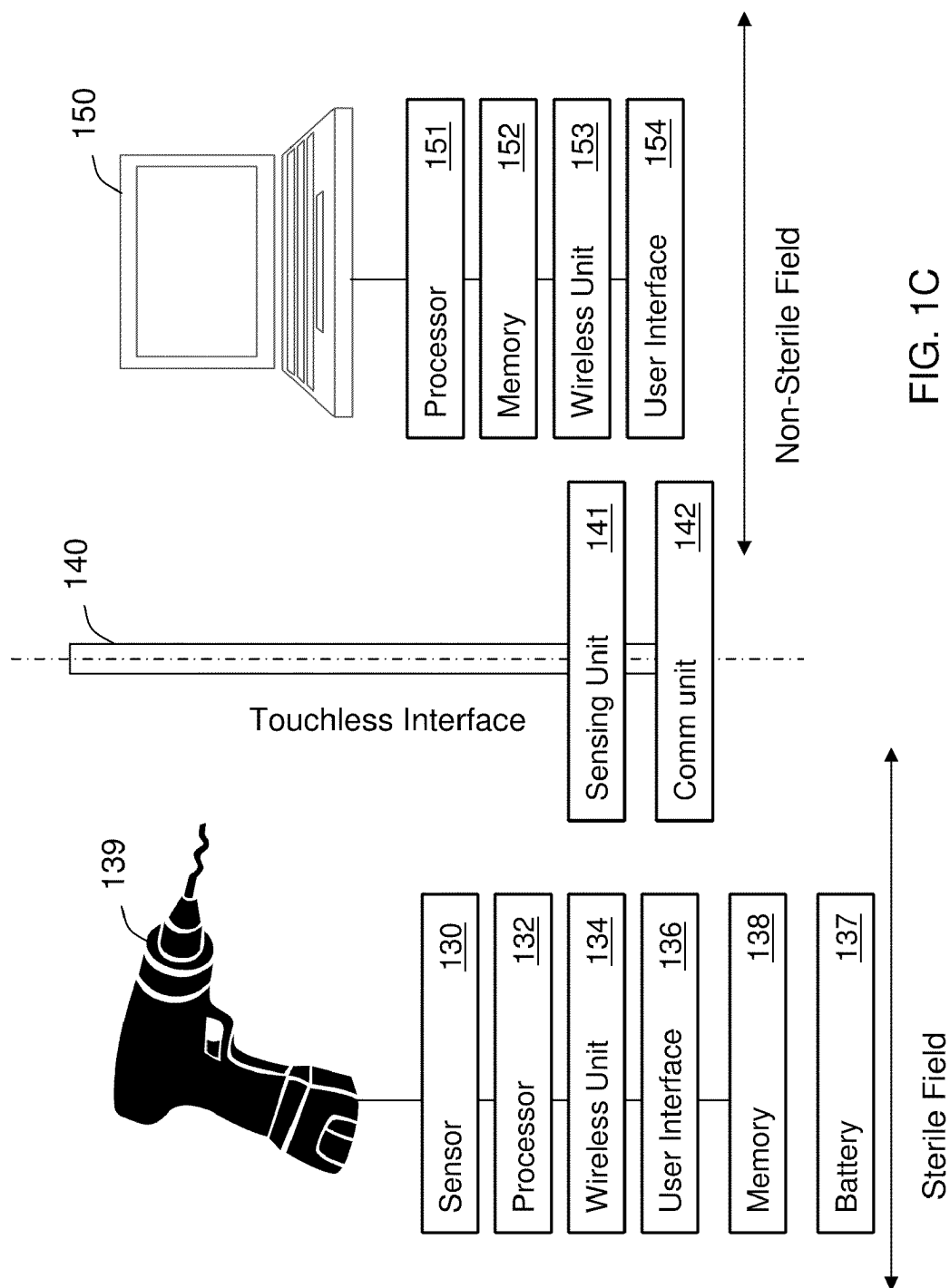
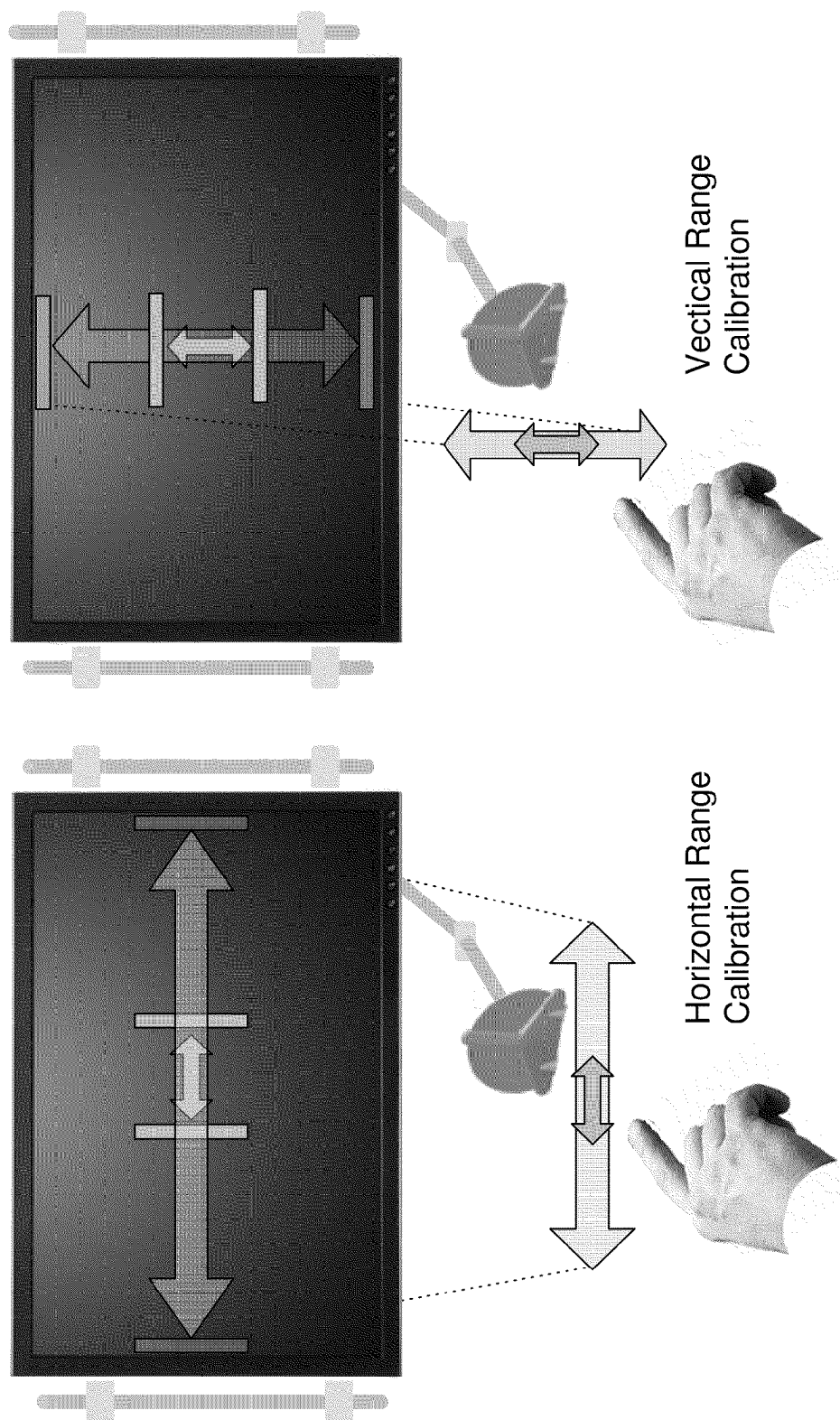


FIG. 1C



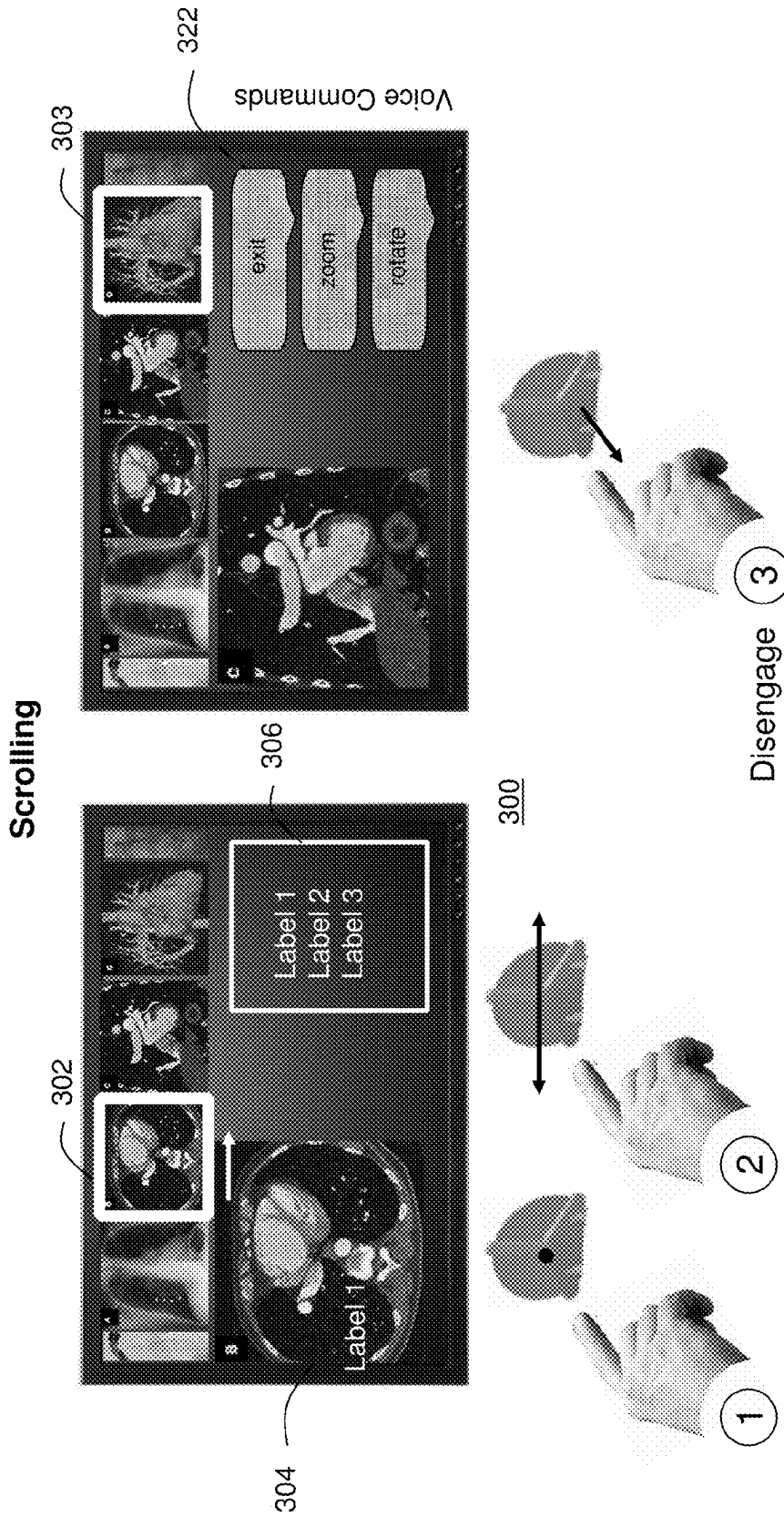


FIG. 3B

FIG. 3A

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