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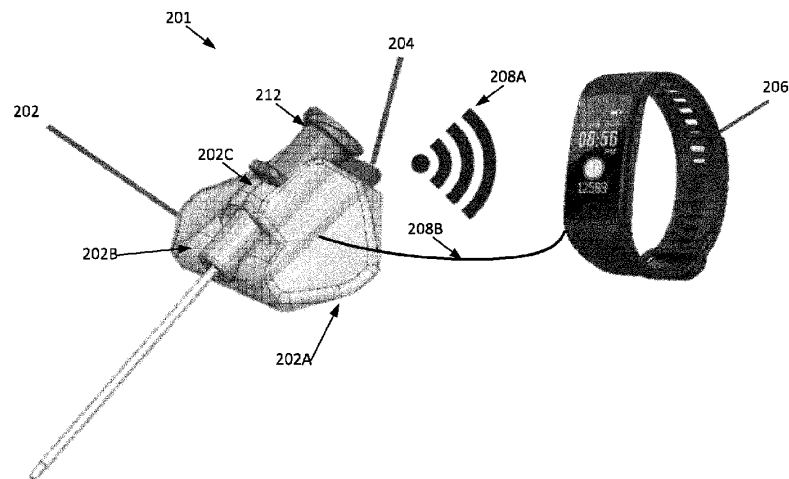


FIG. 2A

(57) Abstract: A smart intravenous catheter (IVC) assembly (201) including a stabilization platform (202) configured to hold an IVC (212) in a fixed position relative to tissue of a patient, and a sensor module (204) mechanically supported by the stabilization platform (202). The sensor module (204) including at least one sensor configured to sense a physical characteristic of the tissue of the patient and produce sensed data representing the physical characteristic of tissue of the patient, and a transceiver (208H) configured to transmit the sensed data to a smart device (506) remote from the stabilization platform (202).

[Continued on next page]

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