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(54) Title: DIAGNOSTIC SYSTEMS AND METHODS INCLUDING TEMPERATURE-SENSING VASCULAR DEVICES

(57) Abstract: Diagnostic systems and methods including temperature-sensing vascular devices. A diagnostic system can include a catheter assembly for establishing vascular or other access within a body of a patient. The catheter assembly can be equipped with one or more sensors such as temperature sensors that enable monitoring of one or more physiological aspects of the patient, such as temperature, when a portion of the catheter assembly is disposed within the patient. The catheter assembly can be configured to transmit or otherwise forward data relating to the physiological aspects to another location, such as a console, a smartphone or another mobile device, a nurse station, a patient electronic medical record, etc. A method of the diagnostic system can include an instantiating step of instantiating in memory of the console a diagnostic process having one or more functions for at least processing temperature data from the catheter assembly.