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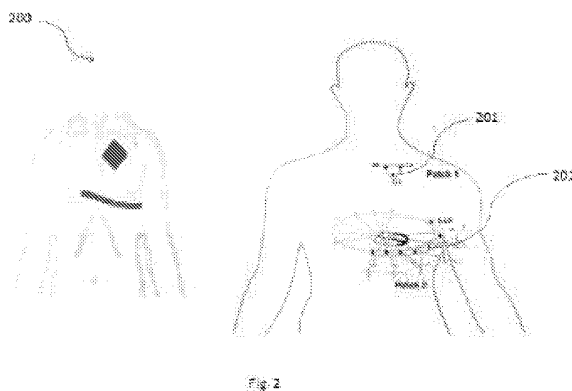
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(54) Title: COMPACT WEARABLE 12 LEAD WIRELESS ECG SYSTEM



(57) Abstract: The invention provides a wearable compact wireless twelve lead ECG system that comprises of two sets of active capacitance sensors, the first set of active capacitance sensors is configured to collect six limb leads whereas the second set of active capacitance sensors, in communication with said first set of active capacitance sensors, is configured to collect six chest leads. The system further contains a set of grounding sensors surrounding sets of active capacitance sensors and a set of surface noise sensors (auxiliary plate) configured to reduce noise generated while collecting said leads. There is a communication module disposed within said system configured to communicate said collected leads in the form of twelve lead ECG to one or multiple devices



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