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(54) **Title**: METHOD AND SYSTEM FOR OPTICAL BLOOD PRESSURE MONITORING

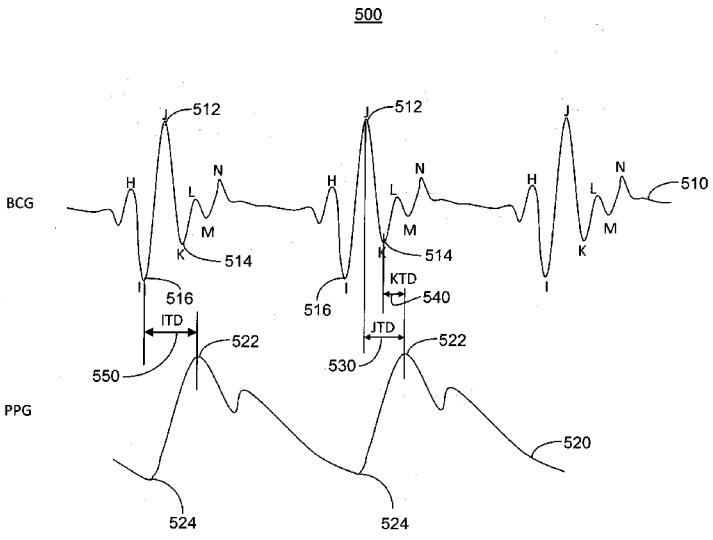


FIG. 5

(57) **Abstract**: An apparatus, methods and a system for cuffless blood pressure monitoring are provided. The system includes an optical BCG sensor, a PPG sensor, a transceiver and a signal processing device. The BCG sensor optically couples to the subject, acquires BCG signals from the subject, and optically transmits the subject's BCG signals. The PPG sensor optically couples to the subject for acquiring PPG signals from the subject and optically transmits the acquired subject's PPG signals. The transceiver is coupled to the BCG sensor and the PPG sensor for receiving the BCG signals and the PPG signals and generating a BCG electronic signal from the subject's BCG signals and a PPG electronic signal from the subject's PPG signals. And the signal processing device is coupled to the transceiver for receiving the BCG electronic signal and the PPG electronic signal and for monitoring the subject's blood pressure in response to predetermined BCG indicia of the BCG electronic signal and predetermined PPG indicia of the PPG electronic signal.

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