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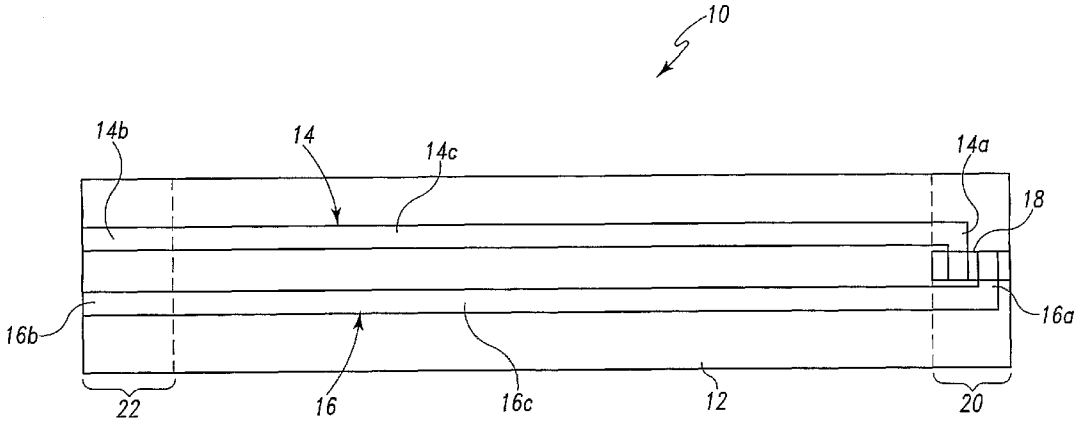
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(54) **Title:** SYSTEM AND METHOD FOR QUALITY ASSURANCE OF A BIOSENSOR TEST STRIP



(57) **Abstract:** The present invention provides a test strip (200) for measuring a signal of interest in a biological fluid when the test strip (200) is mated to an appropriate test meter (not shown), wherein the test strip and the test meter include structures to verify the integrity of the test strip traces (214C, 216C, 224C), to measure the parasitic resistance of the test strip traces, and to provide compensation in the voltage applied to the test strip to account for parasitic resistive losses in the test strip traces.

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