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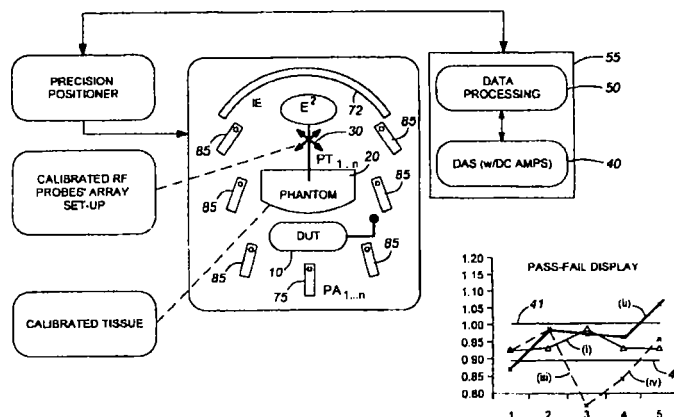
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ning of each regular issue of the PCT Gazette.(54) Title: APPARATUS AND METHOD FOR PRODUCTION TESTING OF THE RF PERFORMANCE OF WIRELESS COM-
MUNICATIONS DEVICES

(57) Abstract: A radio frequency (RF) multi-testing apparatus and method for rapid (e.g. production line) testing of a wireless communications device for operational adherence of the device to a pre-determined reference specification defining specific absorption rate (SAR) parameters correlated to the device and for simultaneous testing of the body loss of the device. The device is positioned within an RF shielded enclosure and operated at a test transmit power. A linear array of E-field isotropic probes (e.g. five) are positioned at a pre-determined location in the container within human tissue simulation matter and measure the electric-field therein. A plurality of RF isotropic probes are spatially distributed within the container and measure the RF power received thereby, with the container providing reflective surfaces therein. Computer processing means compares the electric-field measurements to the SAR reference specification and determines therefrom whether the device adheres to the specification. The computer processing means also combines the RF power measurements and produces a value representing the averaged integrated body loss of the device. The determination of whether the device adheres to the SAR specification also determines a measure of the metallic system integrity of the device.

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