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(54) **FAT MASS MEASUREMENT APPARATUS**

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See application file for complete search history.

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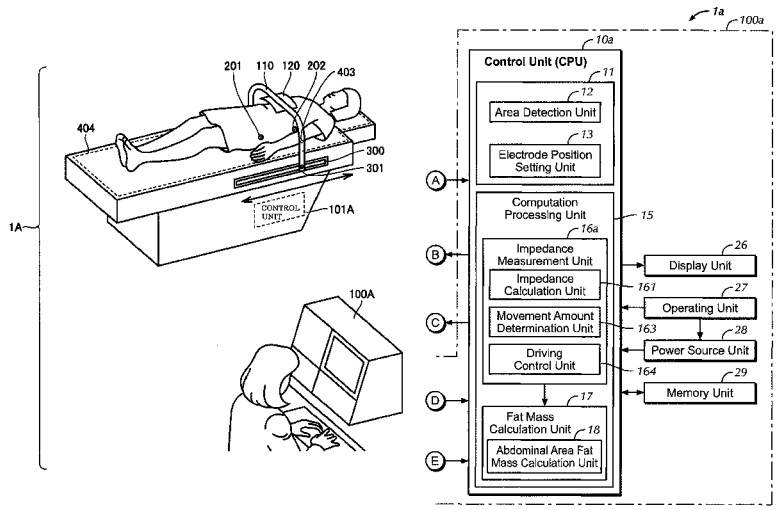
(57) **ABSTRACT**

A fat mass measurement apparatus includes an area detection unit that detects a predetermined position in a measurement subject's trunk area and detecting a predetermined area in the trunk area using the detected position; an electrode position setting unit that sets, on the body surface at the predetermined area detected by the area detection unit, a plurality of positions along the vertical direction of the trunk area for measuring the body impedance; an impedance measurement unit that measures the body impedance by bringing the impedance measurement electrodes into contact with each of the plurality of positions that have been set; and an abdominal area fat mass calculation unit that calculates a fat volume at the predetermined area based on the body impedances at each of the plurality of positions measured by the impedance measurement and the size of the trunk area at the predetermined area.

**5 Claims, 14 Drawing Sheets**