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(54) **Title:** FIELD SERVICE DEVICE AND METHOD FOR FACILITATING A PROCESSING SYSTEM REPLACEMENT IN A VIBRATORY FLOWMETER

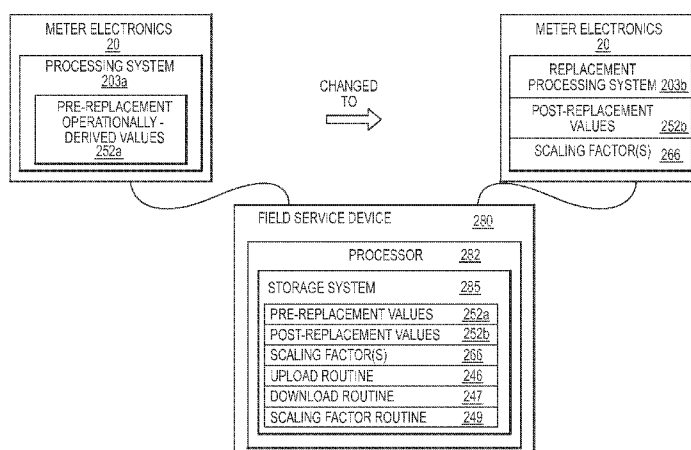


FIG. 3

(57) **Abstract:** A field service device (280) for facilitating a processing system replacement in a vibratory flowmeter is provided. The field service device (280) includes a field service device processor (282) configured to interface with one or more vibratory flowmeter processing systems and a storage system (285) configured to store pre-replacement operationally-derived values (252a), post-replacement operationally-derived values (252b), and one or more scaling factors (266). The field service device processor (282) is configured to obtain pre-replacement operationally-derived values (252a), obtain post-replacement operationally-derived values (252b) after an old processing system has been replaced with a replacement processing system, generate the one or more scaling factors (266) as a ratio of one or more pre-replacement operationally-derived values (252a) to one or more post-replacement operationally-derived values (252b), and download the one or more scaling factors (266).