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- (54) **Title:** SYSTEMS AND METHODS FOR DETECTING EATING PATTERNS OF A PET

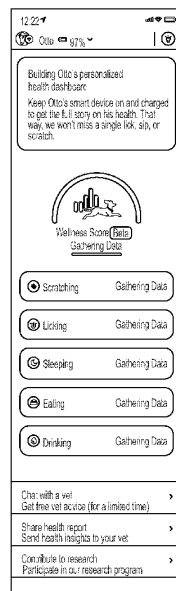


FIG. 1A

(57) **Abstract:** A computer-implemented method for using historical pet eating data to determine changes in pet eating behavior is disclosed. The method includes receiving a plurality of historical pet eating data records from a database, determining a subset of the plurality of historical pet eating data records, determining an expected distribution based on the subset of the plurality of historical pet eating data records wherein the expected distribution includes a baseline, an upper threshold, and a lower threshold, receiving current pet data from a pet sensor wherein the current pet data includes a total meal event value, analyzing whether the total meal event value exceeds the upper threshold or the lower threshold, and outputting a notification indicating a result that is responsive to the analyzing.