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(54) Title: SYSTEM AND METHOD FOR DETECTING OR PREDICTING RETURN IN MAJOR DEPRESSIVE DISORDER

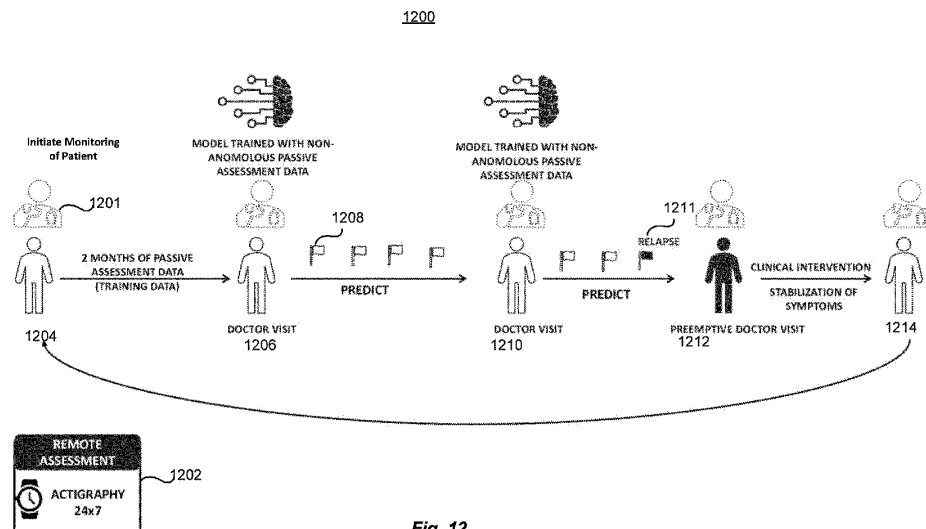


Fig. 12

(57) Abstract: A system and computer-implemented method for detecting return of depression of a patient is provided. The system comprises a wearable device configured to detect movement of the patient and configured to generate actigraphy data corresponding to the movement of the patient and a computing device for retrieving actigraphy data from the device. The system and method obtain training data, including training actigraphy data, over a training period and train an anomaly detector using the training data. The system and method subsequently obtain test data from the patient, extract a plurality of features from the test data, and analyze the extracted data using the trained anomaly detector. A self-report test is used to determine whether an anomaly identified by the anomaly detector indicates that the patient is likely to experience return of depression.

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