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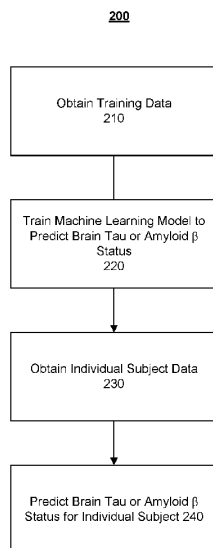


FIG. 2

(57) Abstract: A machine learning model can be trained to predict brain tau or amyloid β status of a patient using, at least in part, biomarker data of the patient. The brain tau or amyloid β status can include one or more continuous-valued brain tau or amyloid β levels and/or concern brain tau or amyloid β levels in multiple regions of the brain of the patient. A prediction of brain tau or amyloid β status of the patient can be generated by applying the subject data of the patient to the machine learning model. The operations can further include providing the prediction of brain tau or amyloid β status of the patient. The machine learning model be used in selection of patients for treatment with an anti-tau therapy and/or an anti-amyloid therapy, in treatment of patients having or suspected of having Alzheimer's Disease (AD), or in monitoring of AD treatment efficacy.

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