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- (54) Title: MANUFACTURING SYSTEMS, METHODS, AND AI MODELS FOR REDUCING OUT OF SPECIFICATION (OOS) CAR T DRUG PRODUCTS

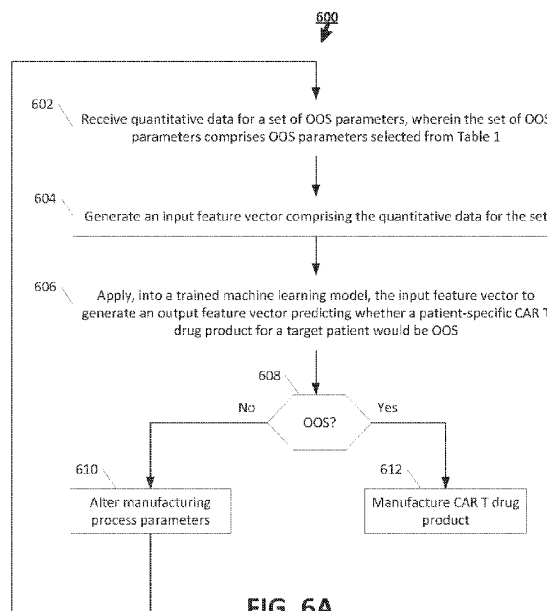


FIG. 6A

- (57) Abstract: Systems and methods are disclosed for predicting whether a patient-specific CAR T drug product for a target patient would be out of specification (OOS). An example method includes: receiving quantitative data for a set of OOS parameters; generating an input feature vector comprising the quantitative data for the set of OOS parameters; and applying, into a trained machine learning model, the input feature vector to generate an output feature vector predicting whether the patient-specific CAR T drug product would be OOS.

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