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- (71) **Applicant:** JANSSEN BIOTECH, INC. [US/US];
800/850 Ridgeview Drive, Horsham, Pennsylvania 19044
(US).

- (72) **Inventors:** **MAGGE RANGANATHA, Arjun;** 920 US
Route 200, Raritan, New Jersey 08869 (US). **JAVIDI, Alex;**
920 US Route 200, Raritan, New Jersey 08869 (US). **LU,**
Hoang; 920 US Route 200, Raritan, New Jersey 08869
(US). **HENCKELS, Eric;** 920 US Route 200, Raritan, New
Jersey 08869 (US). **CICCONE, Daniel;** 1000 US Highway
202 S, Raritan, New Jersey 08869 (US). **MORRIS, Don-**
ald; 920 US Route 200, Raritan, New Jersey 08869 (US).
BOWDEN, Robert; 700 US Route 202, Raritan, New Jer-
sey 08869 (US).

- (74) **Agent:** **LANE, David A.** et al.; JOHNSON & JOHNSON,
One Johnson & Johnson Plaza, New Brunswick, New Jersey
08933 (US).

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- (54) **Title:** IMPROVED MANUFACTURING OF CAR T DRUG PRODUCTS BASED ON CAR

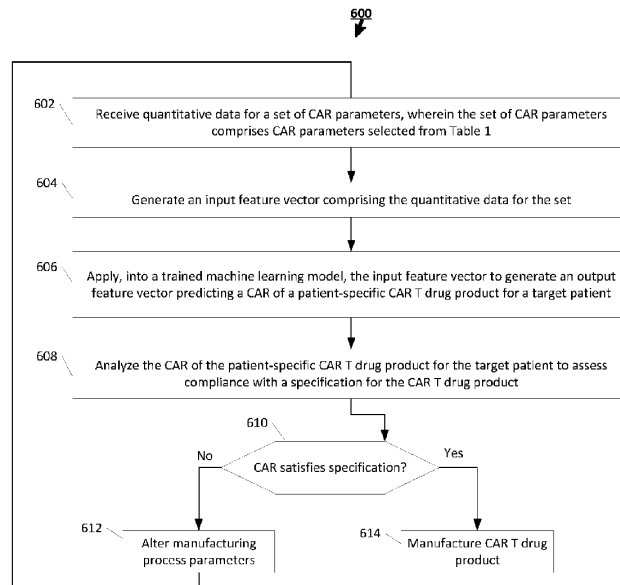


FIG. 6A

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

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