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(54) Title: COGNITIVE TRAINING PLATFORM

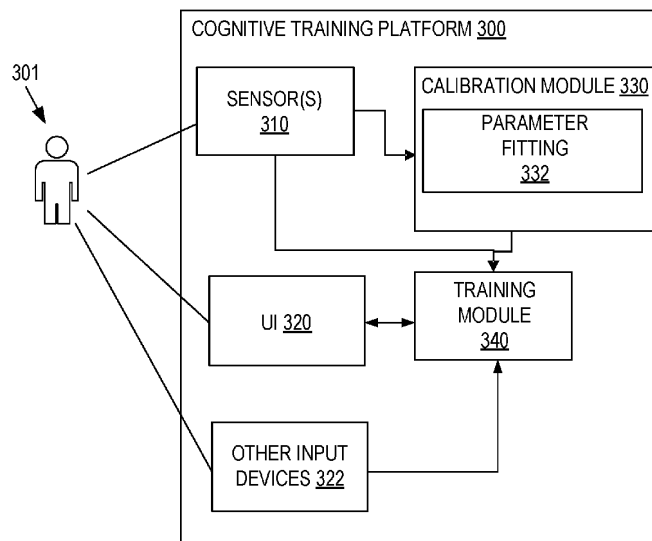


Figure 3

(57) **Abstract:** A cognitive training platform comprises at least one processor that is configured to: obtain a cognitive response function for a user that represents a cognitive state, or change in cognitive state, as a function of one or more stimulus parameters of a stimulus to which the user is exposed; expose the user to a first stimulus that is characterized by respective first values of the one or more stimulus parameters; determine, based on at least one sensor measurement, first cognitive performance values indicative of a response to the first stimulus; determine, using the cognitive response function, respective second values of the one or more stimulus parameters that will result in at least one improved cognitive performance value relative to the first cognitive performance values; and expose the user to a second stimulus that is characterized by the respective second values of the one or more stimulus parameters.

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