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(54) **Title:** CONTINUOUS MONITORING OF A MODEL IN AN INTERACTIVE COMPUTER SIMULATION STATION

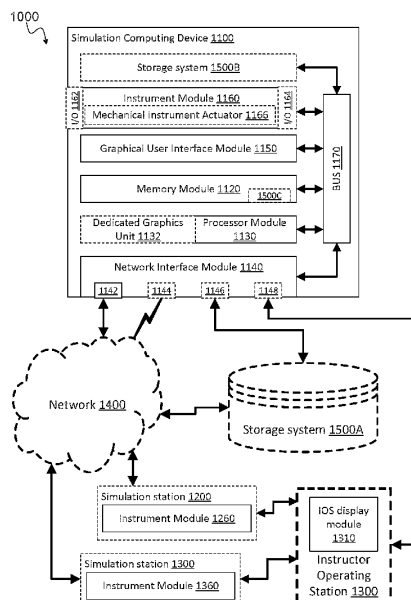


Figure 1

(57) **Abstract:** Continuous monitoring of a model in an interactive computer simulation station. The model comprises a plurality of interrelated parameters defining a dynamic behavior of a simulated interactive object in an interactive computer simulation when inputs are provided on tangible instrument(s) of the station. During a diagnostic period of time, a frequency sweep of the model is performed for measuring the dynamic behavior of the simulated interactive object. During the frequency sweep, each of the tangible instrument(s) is automatically mechanically moved following an input function defining an input range variation at a related frequency. The frequency sweep provides an actual frequency response function for the tangible instrument(s) defining the dynamic behavior. The station is determined to require maintenance when the dynamic behavior of the simulated interactive object, measured by the frequency sweep, is outside of a target dynamic behavior range for the simulated interactive object.

WO 2018/176154 A1