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(54) Title: ANIMATED FIGURE SYSTEMS AND COMPUTER-READABLE MEDIUM WITH INSTRUCTIONS FOR CONTROLLING AN ACTUATING SYSTEM OF AN ANIMATED FIGURE SYSTEM

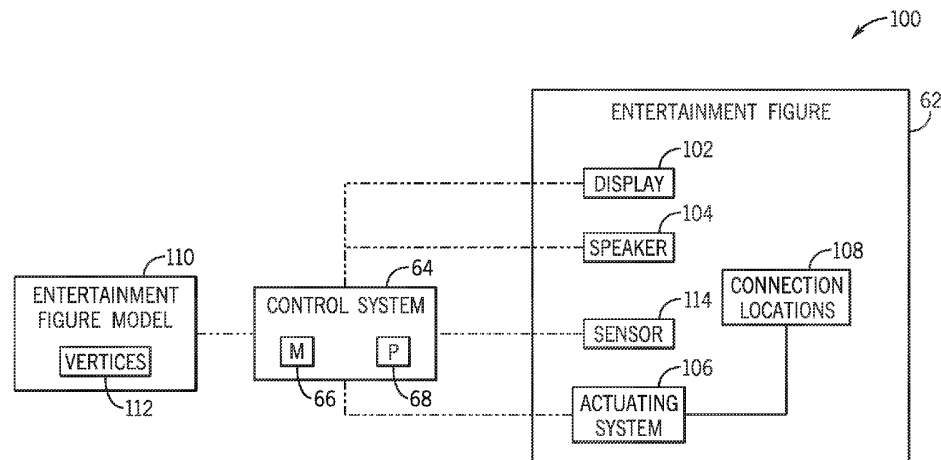


FIG. 2

(57) Abstract: An animated figure system 100 includes an animated figure 63 comprising a flexible skin layer, an actuating system 106 coupled to a connection location 108 of the flexible skin layer, and an automation controller. The automation controller is configured to access a digital model 110 of the animated figure, in which the digital model comprises a vertex 112 associated with the connection location, determine a first positioning of the vertex within the digital model, and control the actuating system to set a second positioning of the connection location based on the first positioning of the vertex. Another animated figure system comprises an animated figure comprising a connection location, a first actuator, and an extension comprising an end coupled to the connection location and a section coupled to the first actuator such that a length of the extension extends between the connection location and the first actuator. The first actuator is configured to move the section of the extension. A second actuator is configured to extend or retract the extension to change the length of the extension extending between the connection location and the first actuator and an automation controller is configured

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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to control the first actuator and the second actuator to set a positioning of the connection location. A non-transitory computer-readable medium comprises executable instructions causing, when executed, a processor to control an actuating system of the animated figure.