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(54) Title: ENVIRONMENTAL TEST SYSTEM AND METHOD WITH IN-SITU TEMPERATURE SENSING OF DEVICE UNDER TEST (DUT)

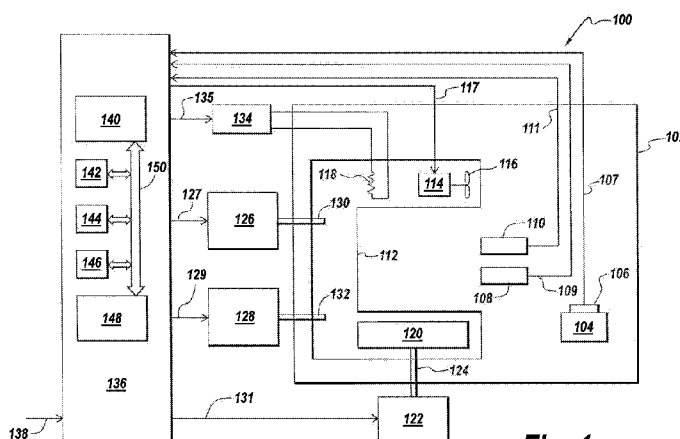


Fig. 1

(57) Abstract: An environmental chamber system and a method for testing a device under test (DUT) include an environmental chamber in which the DUT can be tested. A temperature sensor senses temperature of the DUT, the temperature sensor generating a signal indicative of temperature of the DUT. A controller receives at least one input signal related to at least one of temperature and humidity in the chamber and the signal indicative of temperature of the DUT and provides at least one control signal for adjusting at least one of temperature and humidity in the chamber, such that the temperature of the DUT is not below a dew point of an environment in the chamber in a region of the chamber near the DUT, such that condensation in the environment in the chamber in the region near the DUT does not occur.