

AUTOMATED METHOD AND SYSTEM FOR AIRCRAFT INSPECTION WITH DATA VALIDATION

ABSTRACT

A method, apparatus, system, and computer program product (1822) for inspecting an aircraft (204, 2000). A computer system (206) receives captured data (224) for a flight path (220) flown by an unmanned aircraft system (216) to acquire the captured data (224) for the aircraft (204, 2000). The computer system (206) compares the captured data (224) with reference data (226) for the aircraft (204, 2000) to form a comparison (232). The computer system (206) determines whether the captured data (224) is within a set of tolerances (234) for valid captured data (138, 236) using the comparison (232). Prior to detecting anomalies (258) for the aircraft (204, 2000) using the captured data (224), the computer system (206) determines a set of corrective actions (238) in response to the captured data (224) being outside of the set of tolerances (234) for the valid captured data (138, 236) in which the set of corrective actions (238) is performed.

[Fig. 2]