

AUTOMATED AIRCRAFT SYSTEM WITH GOAL DRIVEN ACTION PLANNING

ABSTRACT

5 A method, apparatus, and system for controlling an aircraft
 (100). A target state (114) for the aircraft (100) is
 identified. A current mission state (122) is determined for the
 aircraft (100). A sequence of actions (126) is selected from a
 pool of potential actions (130) to reach the target state (114)
10 from the current mission state (122) for the aircraft (100).
 The sequence of actions (126) is selected based on the current
 mission state (122). The actions (128) in the sequence of
 actions (126) for which preconditions (132) for the actions
 (128) that have been met are performed. The actions (128) are
15 performed in an order (134) defined by the sequence of actions
 (126).

Fig. 7