

ABSTRACT OF THE DISCLOSURE

A device for tail-specific parameter computation includes a memory, a network interface, and a processor. The memory is configured to store a tail-specific aircraft performance model for a first aircraft of an aircraft type. The tail-specific aircraft performance model is based on
5 historical flight data of the first aircraft and a nominal aircraft performance model associated with a second aircraft of the aircraft type. The network interface is configured to receive flight data from a databus of the first aircraft. The processor is configured to generate, based at least in part on the flight data and the tail-specific aircraft performance model, a recommended cost index and a recommended cruise altitude. The processor is also configured to provide the
10 recommended cost index and the recommended cruise altitude to a display device.

FIG. 1