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Freund

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[54] **ANTITHEFT LOCK FOR AIRCRAFT AND AIRCRAFT AVIONICS**

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Related U.S. Application Data

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[51] **Int. Cl.⁶** **B65D 55/14; F16H 57/00**

[52] **U.S. Cl.** **70/199; 70/200; 70/209; 70/14; 70/163; 244/224; 180/90**

[58] **Field of Search** **70/198-200, 209-212, 70/237, 238, 225, 226, 14, 18, 158-176; 244/224; 180/90**

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[57] **ABSTRACT**

A removable antitheft device inhibits theft of an aircraft and the avionics of an aircraft. The device includes a horizontal member having first and second ends. A first hook is positioned at the first end of the horizontal member. The first hook is sized to engage a first yoke shaft of an aircraft. A second hook at the second end of the horizontal member is sized to engage a second yoke shaft of the aircraft. The second hook is detachable from the horizontal member. A vertical barrier is mounted to the horizontal member and is positioned proximate to an avionics stack of the aircraft to block removal of avionics equipment from the avionics stack when the first and second hooks of the horizontal member are engaged with the first and second yoke shafts. The second hook is locked to the horizontal member after the second hook engages the second yoke shaft to prevent the second hook and the horizontal member from being removed from the second yoke shaft. The first hook includes at least first and second parallel curved portions which are spaced apart by a sufficient distance that the first and second portions inhibit full travel of the first yoke shaft. The antitheft device does not require any modification of the aircraft or the aircraft avionics.

15 Claims, 10 Drawing Sheets

