

ABSTRACT

An aircraft sanitization system is disclosed. The aircraft sanitization system includes a frame. The aircraft sanitization system further includes a tray operatively coupled to at least first two corners of the frame and is rotatable about a pivot axis. The tray is configured to be in one of a locked state and an unlocked state based on rotation about the pivot axis. In the unlocked state the tray is at an angle greater than zero with respect to the frame and in the locked state the tray is at an angle equal to zero with respect to the frame. The aircraft sanitization system further includes a set of Ultraviolet (UV) Light Emitting Diodes (LEDs) attached on an exposed surface of the frame, wherein the set of UV LEDs is configured to sanitize the tray when the tray is in the locked state.

[Fig. 1]