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(57) Abstract :
An assistive hygiene maintenance device for locomotives, comprising of an expandable L-shaped frame 1 installed on a ceiling portion of a train compartment, a dispensing unit 2 for storing multiple bed sheets, a barcode scanner 3 for scanning and processing a user's train ticket to extract data, a pair of rollers 4 to wind the sheet on the rollers 4, an artificial intelligence based image capturing module 5 to capture multiple images of the compartments, a pair of robotic grippers 6 to grip and spread the sheet over the berth, a LED (Light Emitting Diode) 7 to illuminate a light for alerting the user to accommodate the berth, a touch interactive display panel 8 to display notification regarding removing and positioning the sheet, and a sanitizing unit 12 for storing a sanitizing solution.

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