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(57) Abstract :
An automated vehicle sheltering device, comprising a frame 1 integrated with multiple rods 2 hinged with each other, multiple motorized wheels 3 arranged with the frame 1 for providing movement to the frame 1, an artificial intelligence based imaging unit 4 installed on the frame 1 for capturing images of surroundings, a first motorized hinge joint 5 configured with one of the rod 2 for providing movement to the rod 2, at-least four telescopic bars 6 assembled on the frame 1 to lift and position multiple motorized rollers 7 arranged between the bars 6, a sheet 8 wrapped on the rollers 7 to provide an enclosed structure that shelters the vehicle, a touch sensor installed on end of each sheet 8 for detecting contact of the sheets 8 with each other, an electromagnetic strip arranged on the sheets 8 for magnetizing to connect the sheets 8 with each other.

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