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(57) Abstract :

The present disclosure discloses a vehicle cover unit (100) that includes a box (102) with a multi-layered covering sheet (104) to cover the vehicle that offers automated protection against adverse weather conditions and environmental factors. The vehicle cover unit (100) includes inflation and deflation of the multi-layered covering sheet (104) in response to environmental parameters acquired by sensors (112). The box (102) activates a motor (110) and an air pump (110108 to inflate the multi-layered covering sheet (104) when adverse weather conditions are detected. Additionally, the box (102) is made of transparent plastic and polycarbonate material, ensuring durability and visibility. With adjustable inflation and precise control facilitated by a slow-speed geared DC motor (110), this vehicle cover unit represents a significant advancement in automotive protection technology.

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