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(57) Abstract :

The present invention relates to a weather based convertible shelter system, comprising, a body 1 includes multiple planks 5 arranged on telescopic frame 4 to form seat attached to backrest for allowing user to be seated in normal conditions during day time, communication module for deriving weather information of location where body 1 is installed, imaging unit 2 attached on one of planks 5 for detecting presence of user during night time, motorized hinge 3 attached between seat and backrest for rotating backrest to form a shelter and motorized linkage assembly 6 arranged within planks 5 for providing flexions between planks 5 associated with seat, altering roof of shelter in different angular orientations in accordance with weather conditions, thereby providing comfortable shield in adverse weather conditions. Ref. Figure 1 & 2

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