

(54) Title of the invention : AUTOMATED UMBRELLA WITH FULL-BODY COVERAGE SHEET

<p>(51) International classification :A45B 110000, A45B 230000, A61K 393950, B28B 130200, C23C 140400</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p><b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>2)Chitkara Innovation Incubator Foundation</b> <b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor :</p> <p><b>1)RANI, Shalli</b> Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>2)BABBAR, Himanshi</b> Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

An automated umbrella (100) to provide full body coverage is disclosed. The umbrella includes a rain sensor (106) and a wind sensor (108) configured to detect presence of rain, wind speed and direction respectively. Additionally, a housing 104 may be attached at the umbrella (100), a sheet (116) attached to the umbrella for covering whole body of a user, and a control unit (118) configured to analyse intensity of rainfall, wind speed and direction, and correspondingly determine whether to activate the deploying mean (110). Upon activation of the deploying mean (110) the sheet (116) opens over the frame to cover the user and protects the user from heavy rain.

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