

(54) Title of the invention : A SYSTEM TO PREVENT MISBALANCE DURING OPERATION OF A TWO-WHEELER VEHICLE AND A METHOD THEREOF

<p>(51) International classification :G06F0021570000, B62K0005100000, B62D0011040000, B62K0005080000, E21B0047022000</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>1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)Chitkara Innovation Incubator Foundation Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)GULERIA, Kalpna Address of Applicant :Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)RANI, Meena Address of Applicant :Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>3)PANDA, Surya Narayan Address of Applicant :Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>4)GOEL, Swati Address of Applicant :Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>5)KAUR, Amandeep 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>6)GARG, Shilpi Address of Applicant :Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

System for preventing misbalance during operation of a two-wheeler vehicle is described. The system may include a plurality of sensors mounted on the vehicle to monitor an inclination of the vehicle during operation. The system may further include a foldable triangular support stand installed on at least one of a right side and a left side of the vehicle. A controller may be operatively coupled to the plurality of sensors and the foldable triangular support stand. In operation, based on the monitored inclination of the vehicle by the plurality of sensors, an angle of inclination of the vehicle during operation may be determined. When the determined angle of inclination is less than around 45°, the foldable triangular support stand may be caused to open.

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