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(54) Title of the invention : MULTIFUNCTIONAL SYSTEM FOR CYCLE

<p>(51) International classification :A61B 180000, B62H 050000, F02B 750200, F21V 330000, G01N 351000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</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 : 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 : 1)SINGH, Abinash Address of Applicant :Chitkara College of Applied Engineering, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)SINGH, Dhawan Address of Applicant :Chitkara College of Applied Engineering, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>3)KALSIA, Mohit Address of Applicant :Assistant Professor, CUIET-Applied Engineering, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

Embodiments of the present disclosure may include a multifunctional system 100 for a cycle. The system 100 may include a first housing 102 mounted on a handlebar 118 of the cycle, and the first housing 102 includes a display device 104 being configured to display information, such as speed distance covered, health parameters, etc. Embodiments may also include a pair of front indicators 106-a and a headlight 106-b may be configured to illuminate a first pre-defined area. Embodiments may also include a second housing 130 mounted on a rear side of a seat of the cycle and the second housing including a pair of rear indicators 132-a and a tail light 132-b being configured to illuminate a second pre-defined area. Embodiments may also include an image acquisition unit 134 being configured to acquire one or more images of the second pre-defined area to enable a rider to get rear side views.

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