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(54) Title of the invention : SMART MOTORCYCLE HELMET

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(57) Abstract :

A smart motorcycle helmet (100), comprising: a camera (102) to capture real-time images and/or videos; a Light Emitting Diode (LED) strip (104) to change a tint of a visor; an orientation sensor (106) to sense orientational values; and a processing unit (114) configured to: receive the real-time images and/or the videos from the camera (102); receive the sensed orientational values from the orientation sensor (106); determine a status of traffic signals in front of a vehicle; activate the Light Emitting Diode (LED) strip (104) of the helmet (100) to illuminate a light of a pre-defined color; compare the sensed orientation values with pre-defined orientation values; trigger a signal for a timer (108) to activate for a pre-defined amount of time when the sensed orientational values deviate from the pre-defined orientation values; and transmit a geolocation of a rider to emergency contacts and/or emergency services after the pre-defined amount of time.

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