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(54) Title of the invention : DISTRACTION AND DROWSINESS DETECTION DEVICE FOR DRIVERS AND METHOD EMPLOYED THEREOF

<p>(51) International classification :A61B0005180000, G08B0021060000, B60Q0009000000, G08B0003100000, H04M0001725000</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 : 1)CMR College of Engineering & Technology Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 2)Sai Naik Jatavath 3)Yedla Lokesh 4)R.Rohith Rao 5)Bhaskara Nivas 6)G.Karthik Reddy 7)T.Rajesh 8)E Sammaiah 9)L. Chandrasekhar 10)N Munesh Babu 11)A Harish 12)Ch. Rajendra Prasad Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Sai Naik Jatavath Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 2)Yedla Lokesh Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 3)R.Rohith Rao Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 4)Bhaskara Nivas Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 5)G.Karthik Reddy Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 6)T.Rajesh Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 7)E Sammaiah Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 8)L. Chandrasekhar Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 9)N Munesh Babu Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 10)A Harish Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 11)Ch. Rajendra Prasad Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----</p>
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(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a distraction and drowsiness detection device for drivers and method employed thereof. The device includes a MPU6050 module is attached to a cap, whereby the MPU6050 module is configured to detect the angles of the head then the head is deviated in any angle for more than 3 seconds. The device further includes an Arduino Uno is connected to the MPU6050 module, whereby the MPU6050 module gives the information to the Arduino Uno is configured to processes the information, which leads to generating alarm and vibration until the head reaches to its normal position and a MPU6050 sensor is connected to the Arduino Uno, whereby the MPU6050 sensor is configured to detect the change of axis of head, resulting in when the driver moves his head towards any direction for more than 3 seconds and it automatically sends the alert to driver in the form of sound and vibration from a buzzer and a vibration motor. Fig. 1

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