Patent Search

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Inventor

Name	Address	Country	Nat
Dr.Gudikandhula Narasimha Rao	Department of Geo-Engineering, College of Engineering (A), Andhra University, Visakhapatnam, Andhra Pradesh, India. Pin Code:530003	India	Indi
Mr.Sandeep Srivastava	Research Scholar at Galgotias University, Greater Noida, Assistant Professor, Department of MCA, GL Bajaj Institute of Technology & Management, Greater Noida, Uttar Pradesh India. Pin Code:201306	India	Indi
Mrs.Geetha Kurikala	Assistant Professor, Malla Reddy Engineering College (Autonomous), Hyderabad, Telangana, India. Pin Code: 500070	India	Indi
Dr.P Udayakumar	Professor, Department of CSE, VSB Engineering College, Karur, Tamil Nadu, India. Pin Code:638111	India	Indi
Dr.S.Ravichandran	Professor in Computer Science Department, Annai Fathima College of Arts and Science, Madurai District, Tamil Nadu, India. Pin Code: 625 706	India	Indi
Dr.Prakash Kumar Sarangi	Assistant Professor, School of Computer Science and Engineering, Lovely Professional University, Jalandhar, Punjab, India. Pin Code:144411	India	Indi
Dr.Mohammad Nayeemuddin	Associate Professor, Department of ECE, NRI Institute of Technology, Guntur, Andhra Pradesh, India. Pin Code:520001	India	Indi
Mrs.Vijayalakshmi.S	Assistant Professor, Department of CSE, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Thandalam, Chennai, Tamil Nadu, India. Pin Code: 602 105	India	Indi
Dr.G.G.Raja Sekhar	Associate Professor, Department of EEE, K L University, Vaddeswaram, Guntur (District), Andhra Pradesh, India. Pin Code:522502	India	Indi
Dr.C.Sumithiradevi	Associate Professor, Department of CSE, V.S.B. Engineering College, Karur, Tamil Nadu, India. Pin Code:638111	India	Indi

Applicant

Name	Address	Country	Nat
Dr.Gudikandhula Narasimha Rao	Department of Geo-Engineering, College of Engineering (A), Andhra University, Visakhapatnam, Andhra Pradesh, India. Pin Code:530003	India	Indi
Mr.Sandeep Srivastava	Research Scholar at Galgotias University, Greater Noida, Assistant Professor, Department of MCA, GL Bajaj Institute of Technology & Management, Greater Noida, Uttar Pradesh India. Pin Code:201306	India	Indi
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Dr.P Udayakumar	Professor, Department of CSE, VSB Engineering College, Karur, Tamil Nadu, India. Pin Code:638111	India	Indi
Dr.S.Ravichandran	Professor in Computer Science Department, Annai Fathima College of Arts and Science, Madurai District, Tamil Nadu, India. Pin Code: 625 706	India	Indi
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Mrs.Vijayalakshmi.S	Assistant Professor, Department of CSE, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Thandalam, Chennai, Tamil Nadu, India. Pin Code: 602 105	India	Indi
Dr.G.G.Raja Sekhar	Associate Professor, Department of EEE, K L University, Vaddeswaram, Guntur (District), Andhra Pradesh, India. Pin Code:522502	India	Indi
Dr.C.Sumithiradevi	Associate Professor, Department of CSE, V.S.B. Engineering College, Karur, Tamil Nadu, India. Pin Code:638111	India	Indi

Abstract:

ABSTRACT A VEHICLE SYSTEM WITH HAPTIC OUTPUT FOR IMPAIRED BASED ON MACHINE LEARNING & ARTIFICIAL INTELLIGENCE INTERFACES [034] The present invention discloses a vehicle system with haptic output for impaired based on Machine Learning & Artificial Intelligence Interfaces. The method and system includes, but not limited processing unit to activate a haptic device provide inside the vehicle under the reach of an impaired driver on receiving a predefined vicinity data about the driving path of vehicle by a plurality of sensors. The processing unit is connected with a cloud network for further evaluating the action needs to be taken on having a set of input data. Fu the processing unit is having a deep learning tools and a machine learning and artificial intelligence modules to further analyse the input data in a real-time vehicle system Accompanied Drawing [FIG. 1]

Complete Specification

Claims:We Claim:

1. A vehicle system with haptic output for impaired based on Machine Learning & Artificial Intelligence Interfaces, comprising:
a processing unit to activate a haptic device provide inside the vehicle under the reach of an impaired driver on receiving a predefined vicinity data about the driving path the vehicle by a plurality of sensors;
wherein the processing unit is connected with a cloud network for further evaluating the action needs to be taken on having a set of input data; and
wherein the processing unit is having a deep learning tools and a machine learning and artificial intelligence modules to further analyse the input data in a real-time veh system.
2. The system as claimed in claim 1, wherein the haptic device is configured to have a tactile surface for detecting a contact of the impaired driver and an electrically operated vibratory actuator for vibrating the tactile surface with a passive resonator placed at a distance from an electrically operated vibratory actuator.
3. The system as claimed in claim 1, wherein the haptic device is configured to vibrate due to the vibration of the touch surface generated by the electrically operated vibratory actuator for producing a feedback.
4. The system as claimed in claim 1, wherein the real-time vehicle system is connected with a database provided on the cloud network to record and evaluate the relat road condition notification and communicate the processing unit.
5. The system as claimed in claim 1, wherein the processing unit instructs a portable computing device such as smartphone, PDA, and the like to actuate the haptic out on demand raised by a third person or a caretaker of the impaired driver.

View Application Status