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(57) Abstract :
"METHOD FOR DETERMINING AN EMOTIONAL STATE OF A RIDER IN A VEHICLE USING AN ARTIFICIAL INTELLIGENCE SYSTEM" Accordingly, embodiments herein disclose a method for determining an emotional state of a rider in a vehicle using an artificial intelligence (AI) system. The method involves capturing an image of face of a rider in the vehicle from a plurality of perspectives using image capture devices, and producing feature vectors from an image captured from the plurality of perspectives using an image processing system. Further, the proposed method may involve executing first and second networks of a hybrid neural network on a processor. The first network is classifying a plurality of emotional states of a rider in the vehicle from the feature vectors. The feature vectors are processed by the second network causes optimization of operational parameters of the continuously variable emotional states of the rider in the vehicle using an artificial intelligence (AI) system, thereby improving the emotional state of the ride in the vehicle.

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