(12) PATENT APPLICATION PUBLICATION

(54) Title of the invention : AI BASED CONTROL SYSTEM OF A VEHICLE DRIVE UNIT

(22) Date of filing of Application :14/01/2023

 (51) International classification (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:B60W0030140000, B60W0030160000, G05D0001020000, G05D0001000000, B60W0060000000 :PCT// :01/01/1900 : NA :NA :NA :NA :NA	 (71)Name of Applicant : (71)Name of Applicant : Assistant Professor Department of Mechanical Engineering, Hindusthan College of Engineering and Technology, Valley Campus, Pollachi Highway. Coimbatore - 641 032. Tamilnadu
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(57) Abstract :

An AI based control system for a vehicle drive unit. The system comprising organizing a vehicle group of a plurality of self-driving vehicles in which a parameter value inherent to vehicles falls within a predetermined range, driving the vehicle along the learned route in an autonomous mode, obtain movement information of the movable part of the body of the vehicle, a controller in electrical communication with the right speed sensor and the left speed sensor, adjusts the at least one of the right-side actuators to move the first control arm of the right-side variable drive unit and the left side actuator to move the second control arm of the left side variable drive unit to effectuate the at least one operational output, controlling the host vehicle in an adaptive cruise mode such that the distance between the host vehicle or the rear vehicle maintains a predetermined distance based on the driving environment information of the host vehicle or the rear vehicle.

No. of Pages : 18 No. of Claims : 1