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(54) Title of the invention : ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS BASED SMART PARKING SYSTEM IN SMART CITY

<p>(51) International classification :G08G0001140000, G06K0009000000, B60W0030060000, E04H0006220000, G06Q0020140000</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)Mr. Ashish Nagila Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 ----- 2)Mr. Sanjeev Bhardwaj 3)Prof. Vaibhav Trivedi 4)Mr. Ankur Jain Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Mr. Ashish Nagila Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 ----- 2)Mr. Sanjeev Bhardwaj Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 ----- 3)Prof. Vaibhav Trivedi Address of Applicant :Professor, Department of Mechanical Engineering, IFTM University, Moradabad-244102 ----- ----- 4)Mr. Ankur Jain Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 -----</p>
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(57) Abstract :

Essentially, an automated parking system is a system that can store, transport, and retrieve a large number of automobiles in a controlled environment. Various communication systems, such as tracking and transport systems, are included. The transport system comprises at least one vehicle-transporting movable transporter and at least one vertical transportation facility, which transports the vehicle-transporting movable transporter. If there is at least one empty parking spot in a parking area, the automatic parking system develops an appropriate layout for the parking area. The number of cars in the parking lot is used to calculate the number of vacant parking spaces in the parking lot.

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