

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211063836 A

(19) INDIA

(22) Date of filing of Application :09/11/2022

(43) Publication Date : 10/05/2024

(54) Title of the invention : SYSTEM FOR PARKING A VEHICLE

(51) International classification	:G08G0001140000, G06F0003048420, G06Q0050300000, G05D0001020000, G06F0003048170	(71)Name of Applicant : <b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala Punjab India <b>2)Chitkara Innovation Incubator Foundation</b>
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)MADAN, Manuj</b>
(33) Name of priority country	:NA	<b>2)SINGLA, Babita</b>
(86) International Application No	:NA	<b>3)SHALENDER, Kumar</b>
Filing Date	:NA	<b>4)SHARMA, Sandhir</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system for parking a vehicle, comprising a plurality of sensors 102 that sense presence of the vehicle at a slot, and generate one or more signals indicative of presence of the vehicle, a control unit 104 that receives one or more signals from the plurality of sensors 102, determines an availability of the slot for parking, transmits a command signal to the database for storing a set of data corresponding to the availability of the slot. Further, a web server 108 communicatively coupled with the database 106 receives a request for parking the vehicle from a mobile-based application 310 that is configured with an identification module 302, a navigation module 304, and a transaction module 306 so as to select the slot, complete a parking transaction, and navigate the vehicle to the slot respectively.

No. of Pages : 14 No. of Claims : 6