(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/07/2019

(43) Publication Date : 29/01/2021

## (54) Title of the invention : SYSTEM, METHOD AND DEVICE FOR MONITORING WHEELS OF VEHICLE

(51) International classification	:H04M0001725000, G05D0001020000, G01B0011275000, G01C0022000000, B60B0007000000	<ul> <li>(71)Name of Applicant :</li> <li>1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector -9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India</li> <li>(72)Name of Inventor :</li> </ul>
(31) Priority Document No	:NA	1)GUPTA, Sheifali
(32) Priority Date	:NA	2)GUPTA, Rupesh
(33) Name of priority country	:NA	3)SHARMA, Aaishwarika Raj
(86) International Application No	:NA	4)SHARMA, Nikhil
Filing Date	:NA	5)SHARMA, Jatin
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The present disclosure provides system, method and device for monitoring wheels/tyres of vehicle. The system includes: a navigation unit coupled to wheel of vehicle; a communication unit; a circuit breaker unit having a button coupled to wheel and wheel hub of vehicle such that when wheel is fitted tightly to wheel hub then button is in first position to allow flow of current through circuit breaker unit and when wheel is loosened then button is in second position such that flow of current is stopped and first signal is generated; and a control unit configured to: receive the first signal; send, using communication unit, notification message to computing device of user based on receipt of first signal; track, using navigation unit, real¬time location of wheel to identify the location of wheel; and send, using navigation unit, data associated with identified location of the wheel to computing device.



No. of Pages : 41 No. of Claims : 10