(19) INDIA

(22) Date of filing of Application :18/06/2021 (43) Publication Date : 24/02/2023

(54) Title of the invention: AUTOMATIC VEHICLE TOWING NOTIFICATION SYSTEM

(51) International classification	:G05D0001020000, G06K0009000000, G08G0001000000, G01S0019480000, G06T0007521000	(71)Name of Applicant: 1)Chitkara Innovation Incubator Foundation Address of Applicant: SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India (72)Name of Inventor:
(31) Priority Document No	:NA	1)GUPTA, Deepali
(32) Priority Date	:NA	2)MADHUKAR, Mani
(33) Name of priority country	:NA	3)RAMNEET
(86) International Application No	:NA	4)MUDITA
Filing Date	:NA	5)SHARMA, Sheetal
(87) International Publication No	: NA	6)GUPTA, Sheifali
(61) Patent of Addition to Application Number Filing Date	:NA :NA	7)GUPTA, Kamali 8)GUPTA, Rupesh 9)KUMAR, Naresh
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present disclosure provides a system (100) for automatic vehicle towing notification to a remote user. The system (100) includes one or more range sensors (102), coupled to the one or more wheels of a parked vehicle, the one or more range sensors (102) being configured to detect displacement of the one or more wheels from ground. A processing unit (108) is enabled to activate one or more imaging sensors (104), configured to capture a set of images of towing vehicle in front of or behind the parked vehicle. The set of images are used to determine a first set of attributes of the towing vehicle. A localization sensor (106) is enabled to detect and monitor a second set of attributes of the towed vehicle, the second set of attributes pertaining to location. The first and the second set of attributes are transmitted to the remotely located user through GNSS network associated with the localization sensor (106).

No. of Pages: 24 No. of Claims: 5