

पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

---

---

निर्गमन सं. 37/2020  
ISSUE NO. 37/2020

शुक्रवार  
FRIDAY

दिनांक: 11/09/2020  
DATE: 11/09/2020

---

---

पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

## **INTRODUCTION**

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01<sup>st</sup> January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

**( Om Prakash Gupta )**  
**CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

**11<sup>TH</sup> SEPTEMBER, 2020**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941009038 A

(19) INDIA

(22) Date of filing of Application :08/03/2019

(43) Publication Date : 11/09/2020

(54) Title of the invention : METHOD, SYSTEM AND APPARATUS FOR LOCATION-BASED DYNAMIC SEAT RESERVATION AND STATUS DISPLAY

|   |   |  |
|---|---|--|
| (51) International classification             | :G06Q0010020000,<br>H04L0029060000,<br>G01B0011250000,<br>G06K0009320000,<br>H04L0009320000 | (71)Name of Applicant :<br><b>1)R. V. College of Engineering</b><br>Address of Applicant :R.V. Vidyaniketan, Mysore Road,<br>Bangalore Karnataka India |
| (31) Priority Document No                     | :NA   | (72)Name of Inventor :   |
| (32) Priority Date                            | :NA   | <b>1)Renukaprasad B</b>  |
| (33) Name of priority country                 | :NA   | <b>2)Chandrashekar B.H</b>   |
| (86) International Application No             | :NA   | <b>3)Rohith K N</b>  |
| Filing Date                                   | :NA   | <b>4)Vishal C</b>  |
| (87) International Publication No             | : NA  | <b>5)Deepika K</b>   |
| (61) Patent of Addition to Application Number | :NA   |  |
| Filing Date                                   | :NA   |  |
| (62) Divisional to Application Number         | :NA   |  |
| Filing Date                                   | :NA   |  |

(57) Abstract :

A system (101) for location-based dynamic seat reservation in a vehicle comprising a customer module (102A) to track the vehicle information and reserve a seat dynamically based on real-time location of the vehicle by generating a digital ticket with a first unique colour coded pattern, a dynamic seat reservation module (106) to allocate an assured seat between a source and destination places dynamically set through the customer module (102A) all along a path of the vehicle, and an administrator module (102B) to track real-time location of the customer module (102A) and override the dynamic seat reservation module (106) as required, wherein the dynamic seat reservation module (106) authenticates the customer module by validating the first unique colour coded pattern and broadcasts real time seat reservation status to the customer module and the administrator module throughout the path of the vehicle.

<FIG. 7>



No. of Pages : 25 No. of Claims : 10