

पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

---

---

निर्गमन सं. 32/2024  
ISSUE NO. 32/2024

शुक्रवार  
FRIDAY

दिनांक: 09/08/2024  
DATE: 09/08/2024

---

---

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.

**( PROF. (DR) UNNAT P. PANDIT )**  
**CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

**09<sup>th</sup> AUGUST, 2024**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341007982 A

(19) INDIA

(22) Date of filing of Application :08/02/2023

(43) Publication Date : 09/08/2024

(54) Title of the invention : A Retrofit System for a Vehicle to Convert a Manual Transmission into an Automatic Transmission

(51) International classification	:B60K23/02, F16D48/00, F16H61/00, F16H63/46	(71) <b>Name of Applicant :</b> <b>1)R. V. College of Engineering</b> Address of Applicant :Mysore Road, R.V. Vidyaniketan post, Bangalore- 560059, Karnataka, India. Bangalore Karnataka India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Sridhar R</b>
(33) Name of priority country	:NA	<b>2)Manu S N</b>
(86) International Application No	:NA	<b>3)Gangadhar Angadi</b>
Filing Date	:NA	<b>4)Bharath S</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 :

Title: A Retrofit System for a Vehicle to Convert a Manual Transmission into an Automatic Transmission ABSTRACT A retrofit system detachably attached to a vehicle to convert a manual transmission into an automatic transmission comprising a first unit 200 detachably mount on a gear lever to automate gear shifting operation; and a second unit 400 configured to automate a clutch pedal 410 function during automatic gear shifting and includes a microcontroller 120 to control the switching between the manual transmission and the automatic transmission, wherein the first unit 200 includes at least two on-the-fly switches (300A and 300B) for selecting at least one of the manual transmission and/or the automatic transmission. The vehicle is a passenger vehicle of at least a bus, a car, a truck, etc. FIG.2

No. of Pages : 21 No. of Claims : 9