

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141043325 A

(19) INDIA

(22) Date of filing of Application :24/09/2021

(43) Publication Date : 05/11/2021

(54) Title of the invention : AN EFFICIENT PREDICTION AND ASSESSMENT OF VEHICLES IN REAL TIME TRAFFIC

(51) International classification :G06N0003040000, G06K0009620000, A01K0011000000,
H04N0005760000, G08G0001017000
(86) International Application :NA
No :NA
Filing Date :NA
(87) International Publication :NA
No :NA
(61) Patent of Addition to :NA
Application Number :NA
Filing Date :NA
(62) Divisional to Application :NA
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr. M.S. NIDHYA
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF SOFTWARE
ENGINEERING, PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND
TECHNOLOGY, VALLAM, THANJAVUR, TAMILNADU -----
2)Dr. R. JAYAKARTHIK
3)Dr. C. KAVITHA
4)Dr. M. SUKUMAR
5)Dr. SUSHMA JAISWAL
6)Mr. SREENIVASALU THOLUCHURI
7)Mrs. S. SHANTHAKUMARI
8)Mr. J. MATHAN
9)Mr. B. BALAJI
10)Mr. U. SARAVANA KUMAR
11)Dr. L. JAYANTHI
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. M.S. NIDHYA
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF SOFTWARE
ENGINEERING, PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND
TECHNOLOGY, VALLAM, THANJAVUR, TAMILNADU - 613403. -----
2)Dr. R. JAYAKARTHIK
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER
SCIENCE, VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED
STUDIES(VISTAS) VELAN NAGAR, PALLAVARAM, CHENNAI, TAMIL NADU,
INDIA -----
3)Dr. C. KAVITHA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER
SCIENCE, MKU COLLEGE, ALAGARKOIL MAIN ROAD, MADURAI, TAMIL NADU,
INDIA -----
4)Dr. M. SUKUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPAT OF COMPUTER SCIENCE,
MADURAI KAMARAJ UNIVERSITY COLLEGE , ALAGARKOIL MAIN ROAD,
MADURAI, TAMIL NADU, INDIA -----
5)Dr. SUSHMA JAISWAL
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER
SCIENCE & IT, GURU GHASIDAS VISHWAVIDYALAYA(A CENTRAL UNIVERSITY)
BILASPUR, CHATTISGARH, INDIA -----
6)Mr. SREENIVASALU THOLUCHURI
Address of Applicant :RESEARCH SCHOLAR DEPARTMENT OF COMPUTER SCIENCE,
VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES(VISTAS)
VELAN NAGAR PALLAVARAM, CHENNAI, TAMIL NADU, INDIA. -----
7)Mrs. S. SHANTHAKUMARI
Address of Applicant :RESEARCH SCHOLAR DEPARTMENT OF COMPUTER SCIENCE,
VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES(VISTAS)
VELAN NAGAR PALLAVARAM, CHENNAI, TAMIL NADU, INDIA. -----
8)Mr. J. MATHAN
Address of Applicant :ASSISTANT PROFESSOR DEPT OF COMPUTER SCIENCE,
MADURAI KAMARAJ UNIVERSITY COLLEGE,ALAGAR KOIL MAIN ROAD,
MADURAI, TAMIL NADU, INDIA -----
9)Mr. B. BALAJI
Address of Applicant :ASSISTANT PROFESSOR, PERIYAR MANIAMMAI INSTITUTE
OF SCIENCE AND TECHNOLOGY, VALLAM, THANJAVUR, TAMIL NADU, INDIA
613403 -----
10)Mr. U. SARAVANA KUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ECE PERIYAR
MANIAMMAI INSTITUTE OF SCIENCE AND TECHNOLOGY, VALLAM,
THANJAVUR, TAMIL NADU, INDIA 613403 -----
11)Dr. L. JAYANTHI
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ECE PERIYAR
MANIAMMAI INSTITUTE OF SCIENCE AND TECHNOLOGY, VALLAM,
THANJAVUR, TAMIL NADU, INDIA 613403 -----

(57) Abstract :
Our invention will be used to find the vehicles and the detailed information about it like date, place, and Registration and owner information. In traffic each and every vehicles will be monitored and that information is converted from image to text and QCR code. That code will be stored in a database. Using this stored information, we can retrieve the any vehicles information, registration and owner's information. EPV model which applies SVM to separate the videos into frames and store it all in one place and it will be processed and retrieved by the deep learning classification methods.

No. of Pages : 8 No. of Claims : 6