

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1213/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 23/01/2015

(54) Title of the invention : AN AUTOMATED REALTIME VEHICLE CLASSIFICATION SYSTEM

(51) International classification	:G01B11/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(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

(71)**Name of Applicant :**
1)INDIAN INSTITUTE OF SCIENCE
 Address of Applicant :C.V. RAMAN AVENUE,
BANGALORE-560012, KARNATAKA, INDIA.
(72)**Name of Inventor :**
1)GOBBALIPUR RANGANATH JAYANTH
2)ARAVIND RAO

(57) Abstract :

The invention provides a method for automated vehicle classification. The method includes directing atleast one pair of laser beam on to a moving vehicle, capturing a time-delayed reflected laser beam, measuring one or more vehicular parameter based on interception of the reflected laser beam and classifying the vehicles based on two or more of the measured parameters. A system is also provided. The system includes an optical beam interruption apparatus, a measurement module coupled to the beam interruption apparatus and a display unit coupled to the measurement module.

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