

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201721037691 A

(19) INDIA

(22) Date of filing of Application :25/10/2017

(43) Publication Date : 10/11/2017

(54) Title of the invention : METHOD & SYSTEM FOR FAILURE MITIGATION OF RAILWAY TRACKS USING PREDEFINED STRAIN GAUGE MODULE BASED NETWORK

(51) International classification	:B61L 23/00 B61K 9/00	(71)Name of Applicant : 1)Dr. Mahesh Parshuram Mungule Address of Applicant :At. Shri Ram Nagar Bhadrawati, Dist. Chandrapur M.S- 442902 Maharashtra India
(31) Priority Document No	:NA	2)DR. ABHISHEK RAWAT
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)DR. ABHISHEK RAWAT
(86) International Application No	:NA	2)Dr. Mahesh Parshuram Mungule
Filing Date	:NA	3)Shubham Ramdev Mishra
(87) International Publication No	: NA	4)Pulkit Narendra Kumar Mishra
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is related to prevention of derailment of the train due to various factors like railway track deformation, missing of support strata of the track. It comprises of different modules which work in coordination to provide the safety to the humans and other resources. It is based on the principle of load and vibrational variations experienced by railway tracks by using Strain gauge. Such Parameters are monitored under both normal as well as abnormal conditions by a Trans Receiver Module in link with the Base Station. By continuously monitoring the data incipient as well as sudden faults can be handled efficiently. As per the behavior of parameters corrective measures are taken accordingly .It prevents derailment accidents and also helps in designing new track parts by using data collected by continuously monitoring in this Invention.

No. of Pages : 21 No. of Claims : 10