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(54) Title of the invention : TRACTIONAL STABILITY CONTROL SYSTEM BASED ON INTERGRATED ABS AND WEIGHT TRANSFER MECHANISM

(51) International classification	:B62L	(71)Name of Applicant :
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(57) Abstract :

It is a system that incorporates use of vehicle dynamics to enhance the handling characteristics of the vehicle during extreme vehicle operations like cornering. The system comprises of a dynamically varying wheelbase operated through hydraulic actuation. The hydraulic action is controlled through a monitoring and controlling unit that constantly monitors the vehicle state parameters like the vehicle yaw rate and acceleration, individual wheel speed, longitudinal acceleration and Front/rear axle loads. New system uses a new technique known as the weight transfer techniques through a special mechanism to improve vehicle handling. Conventional Traction control systems make use of spark timing, fuel supply and differential braking to control the torque transmitted to the wheels which eventually only minimizes the loss of control but Tractional stability control system with integrated ABS and weight transfer mechanism can improve the performance of the vehicle during cornering.

No. of Pages : 7 No. of Claims : 5



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सत्यमेव जयते

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पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No. : 364275
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फाइल करने की तारीख / Date of Filing : 12/12/2012
पेटेंटी / Patentee : SHANTANU MISHRA

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित TRACTIONAL STABILITY CONTROL SYSTEM BASED ON INTEGRATED ABS AND WEIGHT TRANSFER MECHANISM नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 12th day of December 2012 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled TRACTIONAL STABILITY CONTROL SYSTEM BASED ON INTEGRATED ABS AND WEIGHT TRANSFER MECHANISM as disclosed in the above mentioned application for the term of 20 years from the 12th day of December 2012 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 08/04/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 12th day of December 2014 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 12th day of December 2014 and on the same day in every year thereafter.