

S. No.	Title of the Patent and Copyright	Authors	Filed/ Granted / Published	National/ International
1.	<p>Computer Implemented System for Analysis Relationship of Corporate Social Performance and Financial Performance</p> <p><b>Patent No.: 2022/08926</b></p> <p><a href="https://patents.google.com/patent/ZA202208926B/en?q=(murugesan+selvam)&amp;oq=murugesan+selvam">https://patents.google.com/patent/ZA202208926B/en?q=(murugesan+selvam)&amp;oq=murugesan+selvam</a></p>	<p><b>Murugesan Selvam</b>  Dhamotharan Dhanasekar  Sankaran Venkateswar  Mariappan Raja  Km Chinnadorai  Venkatachalam Ramasamy  Sakthivel Santhoshkumar</p>	<p>Granted and Published in Google Patent</p>	<p>International (South Africa-Patent)</p>



REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

**PATENTS ACT, 1978**

**CERTIFICATE**

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

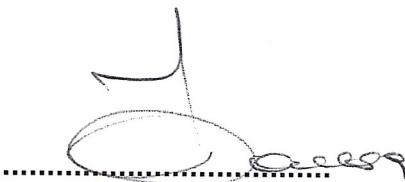
**SELVAM, MURUGESAN; DHANASEKAR, DHAMOTHARAN; VENKATESWAR, SANKARAN; RAJA, MARIAPPAN; CHINNADORAI, KM; RAMASAMY, VENKATACHALAM; SANTHOSHKUMAR, SAKTHIVEL**

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

**2022/08926**

A copy of the complete specification is annexed, together with the relevant Form P2.

As testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 26<sup>th</sup> day of October 2022



**Registrar of Patents**



# PATENT JOURNAL

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OCTOBER 2022

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## Part II of II

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## PATENTS, TRADE MARKS, DESIGNS AND COPYRIGHT OFFICE

*Official notices of proceedings under:*

The Patents Act, 1978

The Designs Act, 1993

The Trade Marks Act, 1963

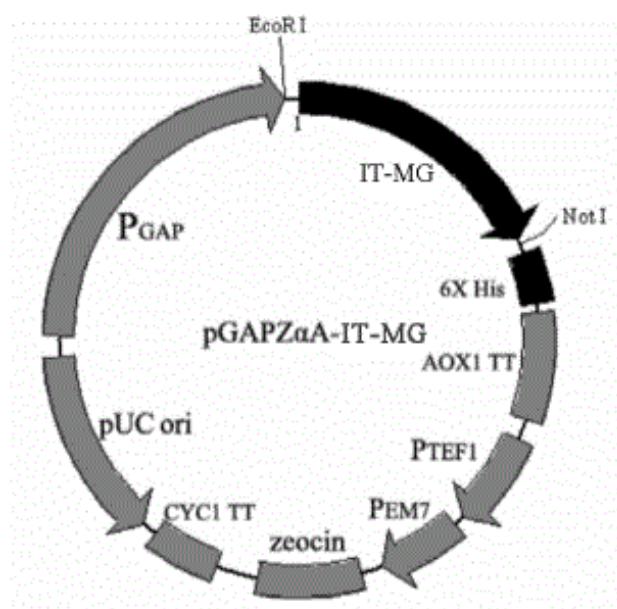
The Trade Marks Act, 1993

The Registration of Copyright in Cinematograph Films Act, 1977

## Registrar of Patents, Trade Marks, Designs and Copyright

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method and application thereof, and relates to the field of biotechnology; the amino acid sequence of the antibacterial peptide is shown in SEQ ID NO.1. According to the invention, the target molecule gene Integrin Beta 1 is connected with the effect molecule Xenopus antibacterial peptide gene (Magainin) to construct a pGAPZAlphaA-IT-MG expression vector, and the target therapeutic antibacterial peptide IT-MG is secreted and expressed through a yeast secretion expression system. The antibacterial peptide IT-MG has a strong inhibitory effect on *Yersinia pseudotuberculosis* and *Yersinia enterocolitica*, and can be widely used in feed additives and food additives, and become a potential clinical drug with high application value.



21: 2022/08926. 22: 2022/08/10. 43: 2022/10/04

51: G06F; G06Q

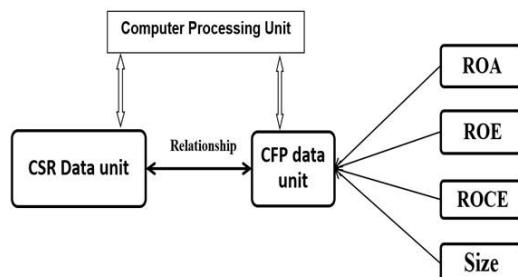
71: SELVAM, Murugesan, DHANASEKAR, Dhamotharan, VENKATESWAR, Sankaran, RAJA, Mariappan, CHINNADORAI, KM, RAMASAMY, Venkatachalam, SANTHOSHKUMAR, Sakthivel

72: SELVAM, Murugesan, DHANASEKAR, Dhamotharan, VENKATESWAR, Sankaran, RAJA, Mariappan, CHINNADORAI, KM, RAMASAMY, Venkatachalam, SANTHOSHKUMAR, Sakthivel

#### 54: COMPUTER IMPLEMENTED SYSTEM FOR ANALYSIS RELATIONSHIP OF CORPORATE SOCIAL PERFORMANCE AND FINANCIAL PERFORMANCE

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The present invention relates to Computer implemented system for analysis relationship of corporate social performance and financial performance. The objective of the present invention is to solve the problems in the prior art technologies related to data processing for analysis relationship of corporate social performance and financial performance.



21: 2022/08929. 22: 2022/08/10. 43: 2022/09/21

51: G08G

71: Alok Kumar Pani, Suvendu Chandan Nayak, Ashok Kumar Bhoi, Manohar Manur, Pankaj Kumar, Sourav Roy, Pratik Ranjan, Abhimanyu Kumar, Neeraj Kumar, Mohammad Aknan

72: Alok Kumar Pani, Suvendu Chandan Nayak, Ashok Kumar Bhoi, Manohar Manur, Pankaj Kumar, Sourav Roy, Pratik Ranjan, Abhimanyu Kumar, Neeraj Kumar, Mohammad Aknan

#### 54: A SYSTEM FOR ROAD TRAFFIC PREDICTION AND OPTIMAL ALTERNATE PATH SELECTION AND A METHOD THEREOF

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A system (100) and a method (200) for road traffic prediction and optimal alternate path selection, comprises of: an image capturing module (102) for capturing real-time traffic image or video or a combination thereof of an area; a pre-processing module (104) for removing noise by a filtering module (104a), enhancing contrast of the de-noised image by an equalization module (104b) and normalizing the equalized image by a normalization module (104c); a background subtraction module (106) for eliminating atleast an redundant background area from the pre-processed image; a motion estimation module (108) for identifying movement of vehicle; a segmentation module (110) for segmenting the identified vehicle movement area into a plurality of segments based on a segmentation technique; a classification module (112) for classifying the segments into a plurality of classes