

S. No.	Title of the Patent and Copyright	Authors	Filed/ Granted / Published	National/ International
1.	System for Prediction of Firm Performance Patent No.: 2022/09666 https://patents.google.com/patent/ZA202209666B/en?q=(murugesan+selvam)&oq=murugesan+selvam	Murugesan Selvam Gayathri Jayapal Balakrishnan Somasundaram Mariappan Raja	Granted and Published in Google Patent	International (South Africa- Patent)

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; JAYAPAL, GAYATHRI; SOMASUNDARAM,
BALAKRISHNAN; RAJA, MARIAPPAN**

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

2022/09666

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

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 30th day of November 2022

A handwritten signature in black ink, consisting of a stylized 'J' followed by a series of loops and a horizontal line.

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The Designs Act, 1993

The Trade Marks Act, 1963

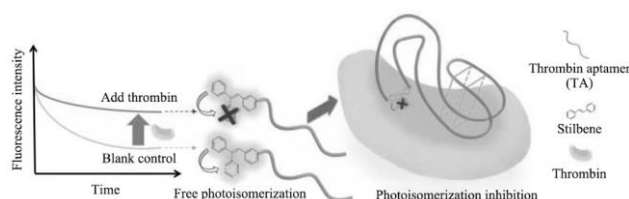
The Trade Marks Act, 1993

The Registration of Copyright in Cinematograph Films Act, 1977

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covalently combining with the thrombin aptamer. According to the present invention, thrombin detection can be implemented by combining the aptamer sensor with thrombin, and the detection ability of the aptamer for thrombin is further confirmed by changing the sequence and modification site of the aptamer for nucleic acid; the preparation and operation of the present invention is simple, theoretically, it cannot be interfered by background fluorescence, and it does not require complicated separation steps, and the analysis and detection of samples can be completed in a short time, and the recycling of aptamer sensors can also be implemented, which provides new inspiration for the design of such biosensors for the detection of biological macromolecules such as enzymes in the future, and has important academic and application prospects.



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71: Dr. Rahul Boadh, Dr. Kuljinder Kaur, Dr. Surinder Singh, Archana Gautam, Dr. Kulwinder Singh Parmar, Dr. Anil Yadav, Dr. Jatinder Singh, Dr. Dhruva Kumar, Dr. Mamta Bhagat, VINAY ARORA, Dr. Satish Kumar

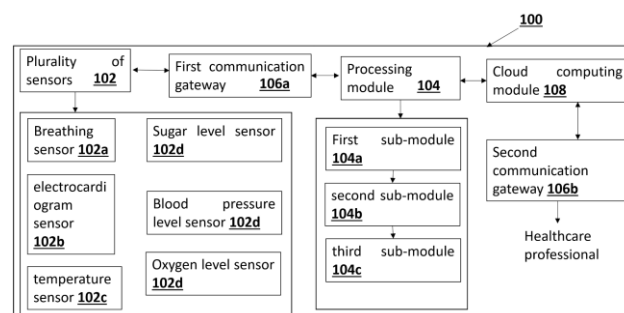
72: Dr. Rahul Boadh, Dr. Kuljinder Kaur, Dr. Surinder Singh, Archana Gautam, Dr. Kulwinder Singh Parmar, Dr. Anil Yadav, Dr. Jatinder Singh, Dr. Dhruva Kumar, Dr. Mamta Bhagat, VINAY ARORA, Dr. Satish Kumar

54: A SYSTEM FOR MONITORING REALTIME HEALTH CONDITION OF A PATIENT AND A METHOD THEREOF

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A system (100) and a method (200) for monitoring real-time health condition of a patient, comprises of: a plurality of sensors (102) positioned on skin of the patient for acquiring a plurality of psychological signals; a processing module (104) linked with the plurality of sensors (102) via a first communication gateway (106a) for receiving the plurality of psychological signals in raw form to obtain an output for determining the real-time health condition of the

patient, wherein the output is obtained by incorporating fuzzy rule with Mamdani technique; and a cloud computing module (108) associated with the processing module (104) for storing the acquired plurality of psychological signals and output obtained.



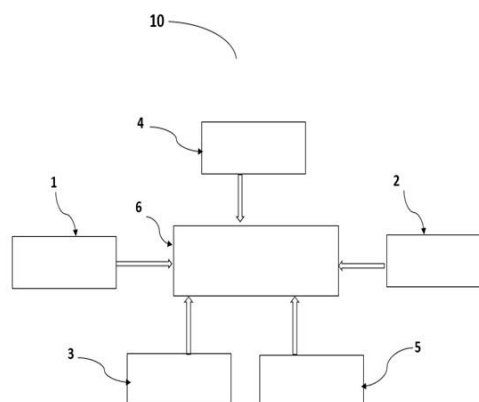
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71: SELVAM, Murugesan, JAYAPAL, Gayathri, SOMASUNDARAM, Balakrishnan, RAJA, Mariappan
72: SELVAM, Murugesan, JAYAPAL, Gayathri, SOMASUNDARAM, Balakrishnan, RAJA, Mariappan

54: SYSTEM FOR PREDICTION OF FIRM PERFORMANCE

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The present invention relates to System for prediction of firm performance through a computer model using bigdata computing. The objective of the present invention is to solve the problems in the prior art technologies related to computing and prediction of firm or company performance using various data and parameters.



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