

PATENT NO. 400170 CANCER DETECTION SYSTEM

APPLICATION NO. 201611011074

APPLICANT

All India Institute of Medical Sciences (AIIMS), New Delhi

ABSTRACT

The present disclosure provides a cancer detection system that specifically and rapidly detect the prostate cancer biomarkers selected from Microselsinoprotein - β (MSMB), prostate specific antigen (PSA) or combination thereof. Further, the present invention provides an efficient method of detection and uses thereof.

INVENTOR

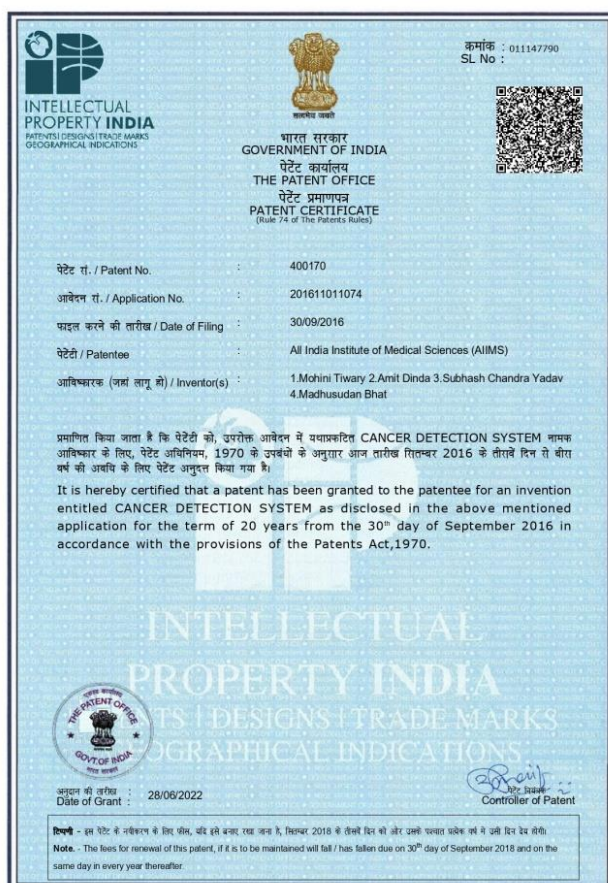
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CLAIM 1

A system for rapid detection of cancer biomarkers in a sample, wherein the system comprises of

- an antibody against a target protein biomarker;
- a Quantum Dot;

wherein said target protein biomarker is selected from microseminoprotein-P (MSMB), prostate specific antigen (PSA) or combination thereof.



The image shows a patent certificate from the Government of India, Patent Office. It includes the following details:

- Patent No.:** 400170
- Application No.:** 201611011074
- Date of Filing:** 30/09/2016
- Patentee:** All India Institute of Medical Sciences (AIIMS)
- Inventor(s):** 1.Mohini Tiwary 2.Amit Dinda 3.Subhash Chandra Yadav 4.Madhusudan Bhat

The certificate states that a patent has been granted to the patentee for an invention entitled "CANCER DETECTION SYSTEM" as disclosed in the above mentioned application for the term of 20 years from the 30th day of September 2016 in accordance with the provisions of the Patents Act, 1970.

Date of Grant: 28/06/2022

Controller of Patent: [Signature]

Note: - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, सितंबर 2018 के तिथि दिवस को और उसके पचास प्रत्येक वर्ष में जारी दिन देय होगी।
Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 30th day of September 2018 and on the same day in every year thereafter.