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PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : DESIGN OF SMART THIN FILM ACTUATORS FOR BIOMEDICAL APPLICATIONS AND INTERVENING THE COMPLICATIONS OF GENE MUTATIONS IN DIABETIC PATIENTS

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| <p>(51) International classification :A61K0039395000, C12Q0001688300, A61K0031498500, A61B0017340000, C12N0015520000</p> <p>(86) International Application No Filing Date :NA :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p> | <p>(71)Name of Applicant :</p> <p>1)Dr P.SUDHAKAR Address of Applicant :PROFESSOR/ SCHOOL OF COMPUTING SCIENCE AND ENGINEERING Noida -----</p> <p>2)NEHA SRIVASTAVA</p> <p>3)Dr. S. K. LANJHIYANA</p> <p>4)Dr. SWEETY LANJHIYANA</p> <p>5)DR. MAHENDRA RAMESH BHISE</p> <p>6)MR. CHETAN DIGAMBAR PAWAR</p> <p>7)Dr. KUMUD PANT</p> <p>8)DHARMBIR SINGH</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr P.SUDHAKAR Address of Applicant :PROFESSOR/ SCHOOL OF COMPUTING SCIENCE AND ENGINEERING Noida -----</p> <p>2)NEHA SRIVASTAVA Address of Applicant :ASSISTANT PROFESSOR, FACULTY OF PHARMACEUTICAL SCIENCES,RAMA UNIVERSITY MANDHANA KANPUR GT ROAD,KANPUR NAGAR, 209217 Kanpur -----</p> <p>3)Dr. S. K. LANJHIYANA Address of Applicant :ASSISTANT PROFESSOR, INSTITUTE OF PHARMACEUTICAL SCIENCES, GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR - 495009, CHHATTISGARH, INDIA Bilaspur -----</p> <p>4)Dr. SWEETY LANJHIYANA Address of Applicant :PROFESSOR, SCHOOL OF PHARMACY, CHOUKSEY ENGINEERING COLLEGE, BILASPUR - 495001, CHHATTISGARH, INDIA Bilaspur -----</p> <p>5)DR. MAHENDRA RAMESH BHISE Address of Applicant :ASSISTANT PROFESSOR, DEPT OF BOTANY, LATE KU DURGA K BANMERU SCIENCE COLLEGE LONAR DIST BULDHANA 443302 Lonar -----</p> <p>6)MR. CHETAN DIGAMBAR PAWAR Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF BOTANY, GOKHALE EDUCATION SOCIETY'S, ARTS COMMERCE AND SCIENCE COLLEGE, JAWHAR Jawhar -----</p> <p>7)Dr. KUMUD PANT Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF BIOTECHNOLOGY, GRAPHIC ERA DEEMED TO BE UNIVERSITY, DEHRADUN,UTTARAKHAND, INDIA, 248002 Dehradun -----</p> <p>8)DHARMBIR SINGH Address of Applicant :PROFESSOR, M M UNIVERSITY, AMBALA-134007 Ambala -----</p> |
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(57) Abstract :

Design of smart thin film actuators for Biomedical Applications and intervening the complications of gene mutations in diabetic patients is the proposed invention. The proposed invention focuses on designing a thin film actuator that is smart to intervene the genetically aspects of diabetic patients. The gene sequences are analysed to predict the genes that are responsible for causing side effects in diabetic patients.

No. of Pages : 13 No. of Claims : 4

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(54) Title of the invention : DEVELOPING A DRUG FOR ATOPIC DERMATITIS AND ALLERGIC DISORDERS USING CRISABOROLE AND VOCLOSPORINS

(51) International classification :A61K0031690000, C07F0005020000, A61K0036185000, G16H0010200000, G16H0010400000

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(57) Abstract :
 A method for developing a drug for atopic dermatitis and allergic disorders using crisaborole and voclosporins, wherein the method comprises collecting a punch biopsy specimens for biomarker analysis at baseline; improving a crisaborole treatment resulted in early improvement in lesional signs/symptoms with improvement in pruritus; exploring to identify the optimal dose and dosing frequency, balancing benefit with risk. Ideally, dose exploration 10 should be conducted in a real-world setting, because other exposure models, such as park or inhalation chamber trials, may not be predictive of real-world clinical responses; addressing safety concerns, such as monitoring for adverse events, performing routine laboratory tests, urinalyses, and electrocardiograms, as appropriate.

No. of Pages : 13 No. of Claims : 1