

(54) Title of the invention : IMPLEMENTATION OF NOVEL TECHNIQUES TO MEASURE THE EFFICIENCY PHOTOVOLTAICS OF NANOSTRUCTURED SOLAR CELLS

<p>(51) International classification :B82Y0030000000, G06N0020000000, H01L0031054000, H01L0031035200, G06K0009620000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :  <b>1)Dr N SRINIVASAN ARUNSANKAR</b>  Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHYSICS, SRI SAI RAM ENGINEERING COLLEGE, WEST TAMBARAM, CHENNAI - 44. CHENNAI -----</p> <p><b>2)YASHPAL</b>  <b>3)SONAL PRAKASH TATTE</b>  <b>4)UMA YADAV</b>  <b>5)SHAIKH SAMEER RAFIK</b>  <b>6)Dr.G.NAGESWARA RAO</b>  <b>7)Dr.SURINDER PAUL</b>  <b>8)THAYALARAJ CHRISTOPHER JEYAKUMAR</b>  <b>9)Dr. T.MEENAKSHI</b>  <b>10)VIVEK SINGH KUSHWAH</b>  <b>11)Dr.S.GOPINATH</b>  <b>12)Dr JYOTI PRASAD PATRA</b></p> <p>Name of Applicant : NA  Address of Applicant : NA</p> <p>(72)Name of Inventor :  <b>1)Dr N SRINIVASAN ARUNSANKAR</b>  Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHYSICS, SRI SAI RAM ENGINEERING COLLEGE, WEST TAMBARAM, CHENNAI - 44. CHENNAI -----</p> <p><b>2)YASHPAL</b>  Address of Applicant :ACADEMIC ASSOCIATE/ DEPARTMENT OF PHYSICS, ARNI UNIVERSITY KANGRA -----</p> <p><b>3)SONAL PRAKASH TATTE</b>  Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, KDK COLLEGE OF ENGINEERING, NAGPUR NAGPUR -----</p> <p><b>4)UMA YADAV</b>  Address of Applicant :RESEARCH SCHOLAR/ ELECTRICAL ENGINEERING, J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA FARIDABAD , 121003 FARIDABAD -----</p> <p><b>5)SHAIKH SAMEER RAFIK</b>  Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRICAL ENGINEERING, ANJUMAN I ISLAM'S KALSEKAR TECHNICAL CAMPUS, NEW PANVEL, MUMBAI 410206 NAVI MUMBAI -----</p> <p><b>6)Dr.G.NAGESWARA RAO</b>  Address of Applicant :PROFESSOR , ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT, LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM, PINCODE:521 230 VIJAYAWADA -----</p> <p><b>7)Dr.SURINDER PAUL</b>  Address of Applicant :ASSOCIATE PROFESSOR/DEPTT.OF PHYSICS, CENTRAL UNIVERSITY OF HIMACHAL KANGRA -----</p> <p><b>8)THAYALARAJ CHRISTOPHER JEYAKUMAR</b>  Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, THE AMERICAN COLLEGE, MADURAI 625002 MADURAI -----</p> <p><b>9)Dr. T.MEENAKSHI</b>  Address of Applicant :PROFESSOR/DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, JANSONS INSTITUTE OF TECHNOLOGY, COIMBATORE 641659 COIMBATORE ----</p> <p><b>10)VIVEK SINGH KUSHWAH</b>  Address of Applicant :PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY (ASET), AMITY UNIVERSITY MADHYA PRADESH, MAHARAJPURA DANG, GWALIOR (MADHYA PRADESH)- 474005 GWALIOR -----</p> <p><b>11)Dr.S.GOPINATH</b>  Address of Applicant :SENIOR ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY , CHETTINAD COLLEGE OF ENGINEERING &amp; TECHNOLOGY, KARUR, TAMILNADU - 639114 KARUR -----</p> <p><b>12)Dr JYOTI PRASAD PATRA</b>  Address of Applicant :FACULTY ELECTRICAL ODISHA UNIVERSITY OF TECHNOLOGY AND RESEARCH OTR MAHALAXMI VIHAR GHATIKIA TECHNO CAMPUS BHUBANESWAR ODISHA GOVT OF ODISHA 751029 INDIA BHUBANESWAR -----</p>
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(57) Abstract : Implementation of novel techniques to Measure the Efficiency Photovoltaics of Nanostructured Solar Cells is the proposed invention. The proposed invention focuses on predicting the importance of nano structured photovoltaic solar cells. The invention aims at analyzing the importance of nanotechnology in solar energy utilization through algorithms of machine learning.

No. of Pages : 14 No. of Claims : 6