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PUBLICATION OF THE PATENT OFFICE

20221039602
CORRIGENDUM

The patent application no **20221039602** dt- 11/07/2022 - ARTIFICIAL INTELLIGENCE BASED APPROACH TO ANALYSE THE IMPACT OF PLASMONIC NANOMATERIALS IN INCREASING THE EFFICIENCY OF SOLAR CELL of IPC : H01L0031022400, H01L0031180000, H01L0031054000, H01L0031042000, G06N0020000000 having 14 pages and claim no 1-6 was published through online module on 09/09/2022 J no: 36/2022, but Inadvertently this said application had been left out of the said journal. All the documents submitted by the applicant were also available through online in official website in pdf format from the above said publication date. The abstract of the patent application 20221039602 of DR. KAILAS KADAJI TEHARE, ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, KATRUWAR ARTS, RATANLAL KABARA SCIENCE & B. R. MANTRI COMMERCE COLLEGE, MANWATH – 431505. , DR. MANOHAR KONDBARAO ZATE, DEPARTMENT OF PHYSICS, GMD ARTS BW COMMERCE AND SCIENCE COLLEGE, SINNAR, NASHIK 422103. , DR. SATISH SHRIPATI SONKAMBLE , FOUNDER PRESIDENT, ALL INDIA COUNCIL FOR ASTRONOMY & SPACE EDUCATION (AICASE), ANJALI VIHAR, NEAR VAIBHAV GANESH MANDIR, KHADGAON ROAD, LATUR – 413512. , MR. SANJAY LAXMANRAO GAIKWAD, ASSISTANT PROFESSOR & HEAD, DEPARTMENT OF PHYSICS , MAHATMA PHULE A.S.C. COLLEGE, PANVEL DIST RAIGAD 410206. , DR. BHAGORAO TUKARAM TATE, DEPARTMENT OF PHYSICS, BALBHIM ARTS, SCIENCE AND COMMERCE COLLEGE, BEED-431122. , MR. VIBHUTE PRASHANT KANTRAO, DEPARTMENT OF CHEMISTRY, BALBHIM ARTS, SCIENCE AND COMMERCE COLLEGE, BEED, MAHARASHTRA 431122, having the inventor, DR. KAILAS KADAJI TEHARE, ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, KATRUWAR ARTS, RATANLAL KABARA SCIENCE & B. R. MANTRI COMMERCE COLLEGE, MANWATH – 431505. , DR. MANOHAR KONDBARAO ZATE, DEPARTMENT OF PHYSICS, GMD ARTS BW COMMERCE AND SCIENCE COLLEGE, SINNAR, NASHIK 422103. , DR. SATISH SHRIPATI SONKAMBLE , FOUNDER PRESIDENT, ALL INDIA COUNCIL FOR ASTRONOMY & SPACE EDUCATION (AICASE), ANJALI VIHAR, NEAR VAIBHAV GANESH MANDIR, KHADGAON ROAD, LATUR – 413512. , MR. SANJAY LAXMANRAO GAIKWAD, ASSISTANT PROFESSOR & HEAD, DEPARTMENT OF PHYSICS , MAHATMA PHULE A.S.C. COLLEGE, PANVEL DIST RAIGAD 410206. , DR. BHAGORAO TUKARAM TATE, DEPARTMENT OF PHYSICS, BALBHIM ARTS, SCIENCE AND COMMERCE COLLEGE, BEED-431122. , MR. VIBHUTE PRASHANT KANTRAO, DEPARTMENT OF CHEMISTRY, BALBHIM ARTS, SCIENCE AND COMMERCE COLLEGE, BEED, MAHARASHTRA 431122 should be read as

Artificial intelligence-based approach to analyse the impact of plasmonic nanomaterials in increasing the efficiency of solar cell is the proposed invention. The invention aims at designing a solar panel with plasmonic cells. The algorithms of Artificial Intelligence are used for analyzing the importance of plasmonic cells in solar panels. The efficiency of solar energy utilization is compared to understand the benefits of plasmonic cells.



Office of the Controller General of Patents, Designs & Trade Marks
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Application Details

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TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED APPROACH TO ANALYSE THE IMPACT OF PLASMONIC NANOMATERIALS IN INCREASING THE EFFICIENCY OF SOLAR CELL
FIELD OF INVENTION	ELECTRONICS
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