

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/01/2021

(21) Application No.202141000855 A
(43) Publication Date : 15/01/2021

(54) Title of the invention : A SMART AND EFFICIENT SETUP TO USE SOLAR ENERGY FOR CCTV CAMERAS

(51) International classification :H04L67/1008
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Mrs.V. V.VIJETHA INTI
Address of Applicant :ASSISTANT PROFESSOR,
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING, VISHNU INSTITUTE OF
TECHNOLOGY(AUTONOMOUS),BHIMAVARAM,ANDHRA
PRADESH 534202 Andhra Pradesh India

2)Dr. CH. RAJYA LAKSHMI
3)Mrs. SWARUPA PINNINTI
4)Dr. M. KATHIRVELU
5)Dr. PATHAN RAHIRA
6)Dr. CHIRRA KESAVA REDDY
7)Ms.KALLAM PRATHIBHA
8)Dr D.VENU GOPAL

(72)Name of Inventor :

1)Mrs.V. V.VIJETHA INTI
2)Dr. CH. RAJYA LAKSHMI
3)Mrs. SWARUPA PINNINTI
4)Dr. CHIRRA KESAVA REDDY
5)Dr. PATHAN RAHIRA
6)Dr. M. KATHIRVELU
7)Dr D.VENU GOPAL
8)Ms.KALLAM PRATHIBHA

(57) Abstract :

A smart and efficient setup to use solar energy for CCTV cameras is the proposed invention that focuses on reducing the usage of non-renewable energy resources and increasing dependency on renewable energy resources for regular activities. There is a need for electrical energy 24*7 increase of running a CCTV camera in a particular building. The purpose of CCTV camera is to record 24*7 and act as an informer in case of any criminal activities. But sometimes the CCTV will not record the images when there is no electricity and this turns out to be the biggest disadvantage. Thus, the proposed invention implements a technique to keep the CCTV on 24*7 by using solar energy.

No. of Pages : 12 No. of Claims : 5

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Patent Search

Invention Title	A SMART AND EFFICIENT SETUP TO USE SOLAR ENERGY FOR CCTV CAMERAS
Publication Number	03/2021
Publication Date	15/01/2021
Publication Type	INA
Application Number	202141000855
Application Filing Date	08/01/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04L67/1008

Inventor

Name	Address	Country	Nat
Mrs.V. VVIJETHA INTI	ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, VISHNU INSTITUTE OF TECHNOLOGY(AUTONOMOUS),BHIMAVARAM,ANDHRA PRADESH 534202	India	Indi
Dr. CH. RAJYA LAKSHMI	ASSOCIATE PROFESSOR, DEPARTMENT OF BASIC SCIENCE,VISHNU INSTITUTE OF TECHNOLOGY(AUTONOMOUS),BHIMAVARAM,ANDHRA PRADESH 534202	India	Indi
Mrs. SWARUPA PINNINTI	ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, WELFARE INSTITUTE OF SCIENCE TECHNOLOGY & MANAGEMENT,PINAGADI,VISAKHAPATNAM ,ANDHRA PRADESH 531173	India	Indi
Dr. CHIRRA KESAVA REDDY	PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, NEWTON'S INSTITUTE OF SCIENCE AND TECHNOLOGY, GUNTUR, AP - 522426, INDIA.	India	Indi
Dr. PATHAN RAHIRA	ASSOCIATE PROFESSOR, DEPARTMENT OF MATHEMATICS, BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY, MANGALPALLY (VILLAGE), HYDERABAD, TELANGANA - 501510.	India	Indi
Dr. M. KATHIRVELU	PROFESSOR AND HEAD, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, ARASUR, COIMBATORE - 641407.	India	Indi
Dr D.VENU GOPAL	ASSOCIATE PROFESSOR, DEPARTMENT OF EEE, KAMALA INSTITUTE OF TECHNOLOGY & SCIENCE, SINGAPUR, HUZURABAD, KARIMNAGAR, TELANGANA-505468	India	Indi
Ms.KALLAM PRATHIBHA	QUARTERY NO . 1, KITS STAFF QUARTERS, SINGAPUR, HUZURABAD, KARIMNAGAR, TELANGANA - 505468	India	Indi

Applicant

Name	Address	Country	Nat
Mrs.V. V.VIJETHA INTI	ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, VISHNU INSTITUTE OF TECHNOLOGY(AUTONOMOUS),BHIMAVARAM,ANDHRA PRADESH 534202	India	Indi
Dr. CH. RAJYA LAKSHMI	ASSOCIATE PROFESSOR, DEPARTMENT OF BASIC SCIENCE,VISHNU INSTITUTE OF TECHNOLOGY(AUTONOMOUS),BHIMAVARAM,ANDHRA PRADESH 534202	India	Indi
Mrs. SWARUPA PINNINTI	ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, WELFARE INSTITUTE OF SCIENCE TECHNOLOGY &MANAGEMENT,PINAGADI,VISAKHAPATNAM ,ANDHRA PRADESH 531173	India	Indi
Dr. M. KATHIRVELU	PROFESSOR AND HEAD, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, ARASUR, COIMBATORE - 641407.	India	Indi
Dr. PATHAN RAHIRA	ASSOCIATE PROFESSOR, DEPARTMENT OF MATHEMATICS, BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY, MANGALPALLY (VILLAGE), HYDERABAD, TELANGANA - 501510.	India	Indi
Dr. CHIRRA KESAVA REDDY	PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, NEWTON'S INSTITUTE OF SCIENCE AND TECHNOLOGY, GUNTUR, AP - 522426, INDIA.	India	Indi
Ms.KALLAM PRATHIBHA	QUARTERY NO . 1, KITS STAFF QUARTERS, SINGAPUR, HUZURABAD, KARIMNAGAR, TELANGANA - 505468	India	Indi
Dr D.VENU GOPAL	ASSOCIATE PROFESSOR, DEPARTMENT OF EEE, KAMALA INSTITUTE OF TECHNOLOGY & SCIENCE, SINGAPUR, HUZURABAD, KARIMNAGAR, TELANGANA-505468	India	Indi

Abstract:

A smart and efficient setup to use solar energy for CCTV cameras is the proposed invention that focuses on reducing the usage of non-renewable energy resources and in dependency on renewable energy resources for regular activities. There is a need for electrical energy 24*7 increase of running a CCTV camera in a particular building. The purpose of CCTV camera is to record 24*7 and act as an informer in case of any criminal activities. But sometimes the CCTV will not record the images when there is no electricity and this turns out to be the biggest disadvantage. Thus, the proposed invention implements a technique to keep the CCTV on 24*7 by using solar energy.

Complete Specification

Claims:. Smart and efficient setup to use solar energy for CCTV cameras comprises of CCTV cameras, solar cells, converter, IOT unit, and a storage unit.

- Smart and efficient setup to use solar energy for CCTV cameras according to claim 1, includes solar cells wherein the solar cells are embedded on the exterior portion of CCTV camera. These cells absorb solar energy.
 - Smart and efficient setup to use solar energy for CCTV cameras according to claim 1, includes converter wherein the converter converts solar energy into electrical energy and supports its operation.
 - Smart and efficient setup to use solar energy for CCTV cameras according to claim 1, includes IOT unit wherein the IoT unit is embedded in the CCTV camera to send information and notification regarding the condition of the CCTV camera. The information will be regarding the power level, battery usage, etc.
 - Smart and efficient setup to use solar energy for CCTV cameras according to claim 1, includes a storage unit wherein the storage unit will take the energy from the converter stores it for usage by CCTV cameras
- , Description:[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention or that any publication specifically or implicitly referenced is prior art

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Page last updated on: 26/06/2019