

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 01/2023
ISSUE NO. 01/2023

शुक्रवार
FRIDAY

दिनांक: 06/01/2023
DATE: 06/01/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : SOLAR-POWERED ECO-FRIENDLY INSTANT WATER-COOLING REFRIGERATION SYSTEM

(51) International classification :H02J0007350000, H05K0007200000, H02S0040380000, F21S0009030000, H02J0003380000

(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)CMR COLLEGE OF ENGINEERING & TECHNOLOGY
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----

2)THOTA AJITHA
3)B.SRILAYA
4)M.CHARITHA
5)N.THANISHKA
6)N.SAI NISHANTH
7)Dr.P.RAVI KUMAR
8)CH.NEELIMA
9)MD.ASMA
10)B.SURESH RAM
11)KAYYAM SATHISH
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)THOTA AJITHA
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----
2)B.SRILAYA
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----
3)M.CHARITHA
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----
4)N.THANISHKA
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----
5)N.SAI NISHANTH
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----
6)Dr.P.RAVI KUMAR
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----
7)CH.NEELIMA
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----
8)MD.ASMA
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----
9)B.SURESH RAM
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----
10)KAYYAM SATHISH
 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Medchal -----

(57) Abstract :
 Exemplary embodiments of the present disclosure are directed towards a the solar-powered eco-friendly instant water-cooling refrigeration system comprising a refrigeration body configured to accommodate a plurality of cooling fans, a plurality of heat sinks, a plurality of Peltier modules, a plurality of racks, a water tank and a tap; a solar panel connected to a solar charger configured to photoelectrically convert sunlight to generate electric energy; the solar charger configured to supply electrical energy to a rechargeable storage battery and the rechargeable storage battery configured to store electrical energy; FIG. 1

No. of Pages : 16 No. of Claims : 7