

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5418778

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                            |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                                |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                           |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                     |
| JOSHUA DAVID FREEMAN                                                                                                                                                                            | 02/20/2019                                |
| RAHUL KUMAR                                                                                                                                                                                     | 02/11/2019                                |
| KRISHNASHREE ACHUTHAN                                                                                                                                                                           | 02/25/2019                                |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                           |
| <b>Name:</b>                                                                                                                                                                                    | AMRITA VISHWA VIDYAPEETHAM                |
| <b>Street Address:</b>                                                                                                                                                                          | AMRITA UNIVERSITY, CLAPPANA P.O.,         |
| <b>City:</b>                                                                                                                                                                                    | KOLLAM                                    |
| <b>State/Country:</b>                                                                                                                                                                           | INDIA                                     |
| <b>Postal Code:</b>                                                                                                                                                                             | 690525                                    |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                           |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                             |
| Application Number:                                                                                                                                                                             | 15662322                                  |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                           |
| <b>Fax Number:</b>                                                                                                                                                                              | (650)625-0294                             |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                                           |
| <b>Phone:</b>                                                                                                                                                                                   | 6503837427                                |
| <b>Email:</b>                                                                                                                                                                                   | paralegal.maxval@maxval.com               |
| <b>Correspondent Name:</b>                                                                                                                                                                      | CONVERGENCE INTELLECTUAL PROPERTY LAW P.C |
| <b>Address Line 1:</b>                                                                                                                                                                          | 2251 GRANT RD. SUITE B                    |
| <b>Address Line 4:</b>                                                                                                                                                                          | LOS ALTOS, CALIFORNIA 94024               |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | AMRT-006200US                             |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | RANJINE                                   |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /RANJINE/                                 |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 03/13/2019                                |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                                           |
| source=AMRT-006200US_Patent AMRT-006200US_Patent Assignment_Signed#page1.tif                                                                                                                    |                                           |
| source=AMRT-006200US_Patent AMRT-006200US_Patent Assignment_Signed#page2.tif                                                                                                                    |                                           |

WHEREAS, the undersigned:

1. Joshua David FREEMAN, USA

2. Rahul KUMAR, INDIA

3. Krishnasheer ACHUTHAN, INDIA

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

**SOLAR MONITORING SYSTEM FOR MEASURING SOLAR RADIATION INTENSITY**

☒ for which application serial number 15/662,322 was filed on July 28, 2017 in the United States Patent and Trademark Office;

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, AMRITA VISHWA VIDYAPEETHAM, having a place of business at AMRITA VISHWA VIDYAPEETHAM, Amchappal, Chappana(P.O), Kollam- 690 525, Kerala, India, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (s) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or resulting from any of the foregoing; (e) in and to each and every renewal, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

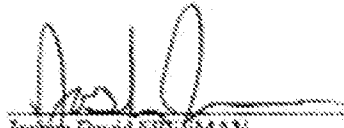
4. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the date written below

Date: 2/20/19

  
Joshua David FREEMAN

Date: \_\_\_\_\_

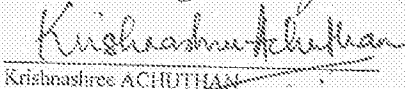
Rahul KUMAR

## PATENT ASSIGNMENT

Docket Number AMRT-006200US

Date: \_\_\_\_\_

Joshua David FREEMAN

Date: 2019-02-11  
Rahul KUMARDate: 2019/2/25  
Krishnashree ACHUTHAN

RECEIVED AND AGREED TO BY ASSIGNEE:

Amrita Vishwa Vidyapeetham

Dated: 2019/03/11

Signature: \_\_\_\_\_

Name: Dr. P. Venkat RanganTitle: Vice Chancellor