

<b>3.4.3</b> <b>Q<sub>n</sub>M</b>	<b>Number of Patents published/awarded during the last five years</b> 3.4.3.1: Total number of Patents published/awarded year-wise during the last five years	<b>10</b>										
	<table border="1"> <tr> <td><b>Year</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Number</b></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table> <p>Data Requirements for the last five years: (As per Data Template)</p> <ul style="list-style-type: none"> <li>Name of the Patent published/awarded</li> <li>Patent Number</li> <li>Year of the Award</li> </ul> <p><b>File Description (Upload)</b></p> <ul style="list-style-type: none"> <li>Any additional information</li> <li>Provide the List of patents and year it was awarded (Data Template)</li> </ul>		<b>Year</b>						<b>Number</b>	0	0	0
<b>Year</b>												
<b>Number</b>	0	0	0	0	0							

**Data Template**

Name of the Teacher	Patent Number	Title of the patent	Year of Award / publish of patent
Naqui Anwar	<b>Pending</b>	A novel Z-source modified cascaded H-bridge solar photovoltaic multilevel inverter	<b>Pending</b>

**DVV requirement**

**Documents Needed**

- E-copies of the letters of awards or patents and the current status

**Specific instruction to HEI**

Only awarded/published patents to be considered.

Patents awarded/published during the last five-year assessment period only to be considered

Patents awarded should be supported with a letter of award and the unique patent number which can be cross-verified.

Patents awarded/published in the name of faculty working in the University during the assessment period only to be considered.

**Avoid the following while uploading data**

Mere submission of application for the patent will not be consider.

**TEXT**

Naqui Anwar is a co-applicant of a patent (Application number: 202011037155 A). Invention is titled as ‘A novel Z-source modified cascaded H-bridge solar photovoltaic multilevel inverter’.

It was published on 28.08.2020. and published on 25.09.2020.

[Link](#) to publication:

Relevant pages are enclosed as Annexure 3.4.3.A

पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

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शुक्रवार  
FRIDAY

दिनांक: 25/09/2020  
DATE: 25/09/2020

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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

(19) INDIA

(22) Date of filing of Application :28/08/2020

(43) Publication Date : 25/09/2020

(54) Title of the invention : A NOVEL Z-SOURCE MODIFIED CASCADED H-BRIDGE SOLAR PHOTOVOLTAIC MULTILEVEL INVERTER

(51) International classification	:H02M0001120000, H02M0007487000, G01R0019250000, H05B0041282000, H02M0001420000	(71)Name of Applicant : <b>1)Dr. Saad Nazif Ahamad Faruqui</b> Address of Applicant :21 Gandhi Road Dehradun Uttarakhand Uttarakhand India <b>2)Dr. Mohd Tariq</b> <b>3)Dr. Naqui Anwer</b>
(31) Priority Document No	:NA	(72)Name of Inventor : <b>1)Dr. Saad Nazif Ahamad Faruqui</b> <b>2)Dr. Mohd Tariq</b> <b>3)Dr. Naqui Anwer</b>
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(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	

(57) Abstract :

The inverter with an impedance network comprises of inductors and capacitors, for the reduction in THD for voltage and current and DC component. The field of design is identified as power transformation from the essential side (Solar PV) to the auxiliary side (Load). The creation expands the power nature of the power quality framework by decreasing total harmonic distortion (THD) in the output voltage. This development can be connected in the place of changing direct current to alternating current. In addition, this can be connected in structuring an ideal solar powered PV framework in which dispersed/distinctive PV sources can be upgraded for least THD activity of Multi-Level inverter.

No. of Pages : 24 No. of Claims : 10