PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MADHAV MANJREKAR	09/23/2020
EHAB H. SHOUBAKI	12/11/2020
TIANCAN PANG	09/23/2020

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17013403

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ATTORNEY DOCKET NUMBER:	222118-1060
NAME OF SUBMITTER:	RANDY R. SCHOEN
SIGNATURE:	/Randy R. Schoen/
DATE SIGNED:	12/14/2020

Total Attachments: 5

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(Utility Patent Assignment)

ASSIGNMENT OF UTILITY PATENT APPLICATION

WHEREAS, the following parties:

<u>Name</u>	Address
Madhav Manjrekar	211 Downing Forest Place, Cary, NC 27519
Ehab H. Shoubaki	104 Vernon Dr., Davidson, NC 28036
Tiancan Pang	9514 Grove Side Ln, APT 1028 Charlotte, NC 28262-4498

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

DIODE CLAMPED SOLID-STATE CIRCUIT BREAKER WITHOUT DYNAMIC VOLTAGE BALANCING ISSUES,

W	h	IC	h	was

	executed on even date herewith,
\boxtimes	filed with the United States Patent and Trademark Office (USPTO) on
	September 4, 2020, and assigned Serial No. 17/013,403, and
\boxtimes	further described in U.S. Provisional application entitled Novel Diode-
	Clamped Solid-State Circuit Breaker Without Dynamic Voltage Balancing
	Issues, filed with the USPTO on September 5, 2019, and assigned Seria
	No. 62/896.022.

WHEREAS, University of North Carolina Charlotte, having a place of business at Office of Research Commercialization and Development, 228 PORTAL, 9201 University City Blvd, Charlotte NC 28223-0001, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said provisional application and all the rights

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and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

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	<u>Madhav Manjrekar</u> Madhav Manjrekar
	Madhav Manjrekar
Date: 09/23/2020	
Data	Witness
Date:	
Date:	Witness

Date: _____

		Docusigned by: Page 4 of 5 What Had (Utility Patent Assignment)
		Ehab H. Shoubaki
Date: ˌ	12/11/2020 3:19 PM EST	
Date: .		Witness
		 Witness

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RECORDED: 12/14/2020

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Date: 7/23/20	Tiancan Pany Tiancan Pang
Date:	Witness
Date:	Witness