

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SUBBARAO VARIGONDA	04/08/2019
JAROSLAW LEONARSKI	03/29/2019
HARSHA R. ADEMANE	04/02/2019
RECEIVING PARTY DATA	
Name:	CUMMINS INC.
Street Address:	500 JACKSON STREET
City:	COLUMBUS
State/Country:	INDIANA
Postal Code:	47201
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17433116
CORRESPONDENCE DATA	
Fax Number:	(317)237-1000
<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>	
Phone:	3172370300
Email:	cummins.ip@faegredrinker.com
Correspondent Name:	ROBERT D. NULL
Address Line 1:	300 NORTH MERIDIAN STREET, SUITE 2500
Address Line 4:	INDIANAPOLIS, INDIANA 46204
ATTORNEY DOCKET NUMBER:	CI-18-0465-02-US
NAME OF SUBMITTER:	ROBERT D. NULL
SIGNATURE:	/robert d. null/
DATE SIGNED:	08/23/2021
Total Attachments: 12	
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ASSIGNMENT	Attorney Docket No.: CI-18-0465-01-US	Page 1 of 4
	First Named Inventor: Subbarao Varigonda	
	Title: A BATTERY-ULTRACAPACITOR HYBRID ENERGY STORAGE SYSTEM ARCHITECTURE FOR MILD-HYBRID POWER SYSTEMS	

WHEREAS, we, **Subbarao Varigonda**, residing at 2886 Macintosh, Columbus, Indiana 47201; **Jaroslav Leonarski**, residing at 4013 W North Wood Lake Drive, Columbus, Indiana 47201; and **Harsha R. Ademane**, residing at 7309 Windsor Lakes Place, Indianapolis, Indiana 46237, have invented certain new and useful improvements in an invention titled **A BATTERY-ULTRACAPACITOR HYBRID ENERGY STORAGE SYSTEM ARCHITECTURE FOR MILD-HYBRID POWER SYSTEMS** as described in United States Patent Application No. 62/833,823, filed on April 15, 2019 (the "Application"), and

WHEREAS, **Cummins Inc.**, a corporation of the State of Indiana, and having an address of 500 Jackson Street, Columbus, Indiana 47201, United States of America ("Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention, the Application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we hereby assign, convey, and transfer to Assignee our entire worldwide right, title, and interest in and to the invention, the Application, domestic and foreign patent applications claiming priority to the Application (including non-provisionals, provisionals, divisionals, continuations, and continuations-in-part), all Letters Patent and registrations issuing thereon, and all rights and benefits under any applicable treaty or convention; and we authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the aforementioned the Letters Patent, registrations, and/or rights and benefits in any form, to Assignee.

We authorize Assignee, its successors and assigns, or anyone Assignee may properly designate, to (1) insert in this instrument the filing date and application number of the Application when ascertained, if applicable, (2) apply for Letters Patent, registrations, and all rights and benefits in any form in its own name in any and all countries, and (3) record this assignment agreement in any governmental office of any country having granted said Letters Patents, registrations, and/or rights and benefits, and (4) assign this agreement without further consideration.

We represent to Assignee that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We agree that we, or our executors or administrators, will at any time upon request, without additional consideration but at the expense of Assignee, execute such additional writings and do such additional acts as Assignee may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.


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Attorney Docket No.: CI-18-0465-01-US

Page 2 of 4

First Named Inventor: Subbarao Varigonda

Title: A BATTERY-ULTRACAPACITOR HYBRID ENERGY
STORAGE SYSTEM ARCHITECTURE FOR MILD-
HYBRID POWER SYSTEMS



Subbarao Varigonda

Date 4/8/2019

ASSIGNMENT	Attorney Docket No.: CI-18-0465-01-US	Page 3 of 4
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Jaroslaw Leonarski

Date _____

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Harsha R. Ademane

Date _____

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We authorize Assignee, its successors and assigns, or anyone Assignee may properly designate, to (1) insert in this instrument the filing date and application number of the Application when ascertained, if applicable, (2) apply for Letters Patent, registrations, and all rights and benefits in any form in its own name in any and all countries, and (3) record this assignment agreement in any governmental office of any country having granted said Letters Patents, registrations, and/or rights and benefits, and (4) assign this agreement without further consideration.

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Jaroslav Leonarski
Jaroslav Leonarski

Date 3/29/2019

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Date _____

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Harsha

Harsha R. Ademane
Date 4/2/2019