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PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YANNICK CHAUVET	03/29/2019
FEDERICO IGNACIO SANCHEZ PINZON	06/17/2019
JOHANNES ZONDLER	06/24/2019
MICHAEL WILHELM HAAS	04/17/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16325620

CORRESPONDENCE DATA

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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.

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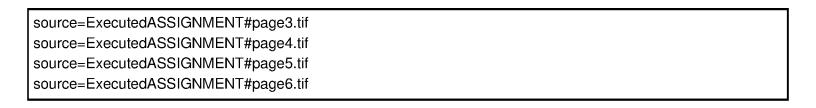
Address Line 4: **NEW YORK, NEW YORK 10019**

ATTORNEY DOCKET NUMBER:	BOSC.P11325US
NAME OF SUBMITTER:	GERARD A. MESSINA
SIGNATURE:	/Gerard A. Messina/
DATE SIGNED:	07/01/2019

Total Attachments: 6

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> **PATENT** REEL: 049641 FRAME: 0510 505552433



PATENT REEL: 049641 FRAME: 0511

ASSIGNMENT

WHEREAS, we,

Yannick Chauvet

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Federico Ignacio Sanchez Pinzon

Tellstrasse 17 70806 Kornwestheim GERMANY

Johannes Zondler

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Gehenbuehlstr. 8 70499 Stuttgart GERMANY

have made inventions and discoveries in CIRCUIT SYSTEM FOR CONTROLLING AN ELECTRICAL CONSUMER, for which an application for Letters Patent was filed at the United States Patent and Trademark Office as U.S. Patent Application Ser. No. 16/325,620 on February 14, 2019, and

WHEREAS ROBERT BOSCH GMBH, having a place of business at Postfach 30 02 20, 70442 Stuttgart, Germany, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries, including all divisional, renewal, substitute, and continuation applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

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- 2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.
- 4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignee without encumbrance; and that we are aware of no claim to the contrary.
- Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

[BOSC.P11325US/1001058963]

IN TESTIMONY WHERE	OF, I have hereunto set my hand	and seal this	29 day of	
March 20	<u>4</u> 5.	mu.G		
	Yannick C	hauvet		

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[BOSC.P11325US/1001058963]

IN TESTIMONY WHEREOF, I have hereum	to set my hand and seal thisday of
	Federico Ignacio Sanchez Pinzon

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this $\underline{z}\underline{\iota}_{T}$ day of

Johannes Zondler

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[BOSC.P11325US/1001058963]

IN TESTIMONY WHEREOF, I have hereunt	o set my hand and seal this day of
	Michael Wilhelm Haas

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RECORDED: 07/01/2019

PATENT REEL: 049641 FRAME: 0517