

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHANNES VON HOYNINGEN-HUENE	07/01/2021
LUDWIG ARNOLD LEURS	07/01/2021
MOHAMED ABDEL METAAL	07/09/2021
RENE GUILLAUME	07/07/2021
RECEIVING PARTY DATA	
Name:	ROBERT BOSCH GMBH
Street Address:	POSTFACH 30 02 20
City:	STUTTGART
State/Country:	GERMANY
Postal Code:	70442
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17419473
CORRESPONDENCE DATA	
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<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>	
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Email:	emma.gaiser@nortonrosefulbright.com
Correspondent Name:	NORTON ROSE FULBRIGHT US LLP
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Address Line 2:	GERARD A. MESSINA
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ATTORNEY DOCKET NUMBER:	BOSC.P12767US
NAME OF SUBMITTER:	GERARD A. MESSINA
SIGNATURE:	/Gerard A. Messina/
DATE SIGNED:	01/05/2022
Total Attachments: 8	
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ASSIGNMENT

WHEREAS, we,

Johannes Von Hoyningen-Huene
Am Biberbach 16
24145 Kiel
GERMANY

Ludwig Arnold Leurs
Valentin-Peter-Str. 19
97816 Lohr-Steinbach
GERMANY

Mohamed Abdel Metaal
Freihofstraße 28
70439 Stuttgart
GERMANY

Rene Guillaume
Neuffenstrasse 19/1
71032 Boeblingen
GERMANY

have made inventions and discoveries in **METHOD AND UNIT FOR OPERATING A TSN COMMUNICATION SYSTEM**, for which an application for Letters Patent was filed at the United States Patent and Trademark Office as U.S. Patent Application Ser. No. **17/419,473** on **June 29, 2021**, and

WHEREAS **ROBERT BOSCH GMBH**, having a place of business at **Postfach 30 02 20, 70442 Stuttgart, Federal Republic of 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.

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.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this Thurs day of

1st July, 2021

J. v. H. Huene
Johannes Von Hoyningen-Huene

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 15th day of

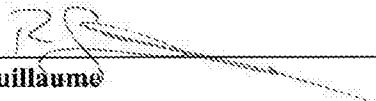
July, 2021



Ludwig Arnold Leurs

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 7 day of

July, 2021.



Rene Guillaume

ASSIGNMENT

WHEREAS, we,

Johannes Von Hoyningen-Huene
Am Biberbach 16
24145 Kiel
GERMANY

Ludwig Arnold Leurs
Valentin-Peter-Str. 19
97816 Lohr-Steinbach
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Mohamed Abdel Metaal
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70439 Stuttgart- 53111 Eonn
GERMANY

Mohamed Abdel Metaal
03/03/2021

Rene Guillaume
Neuffenstrasse 19/1
71032 Boeblingen
GERMANY

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IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 09th day of

July, 2021



Mohamed Abdel Metaal