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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HANS-HENNING KLOS	02/10/2021
CHRISTOPH PAULITSCH	11/25/2020

RECEIVING PARTY DATA

Name:	SIEMENS AKTIENGESELLSCHAFT
Street Address:	WERNER-VON-SIEMENS-STR. 1
City:	MÜNCHEN
State/Country:	GERMANY
Postal Code:	80333

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17046768

CORRESPONDENCE DATA

Fax Number: (312)291-0864

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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Email: nsmith@lsk-iplaw.com, docket-us@lsk-iplaw.com

Correspondent Name: LEMPIA SUMMERFIELD KATZ LLC

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ATTORNEY DOCKET NUMBER:	11371-20142A
NAME OF SUBMITTER:	BRYAN J. LEITENBERGER
SIGNATURE:	/Bryan J. Leitenberger/
DATE SIGNED:	06/22/2021

Total Attachments: 6

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source=Assignment#page6.tif

ASSIGNMENT

For good and valuable consideration, I (We).

Hans-Hanning Klos, residing at Dorfplatz 11, Weigendorf, 91249, DE, citizan of DE

Christoph Paulitsch, residing at Sperberweg 15, Karlsruhe, 76199, DE, citizan of DE

hereafter individually or collectively referred to as "Assignor(s)", hereby

(A) acknowledge having previously assigned, sold and transferred to Siemens Aktiengeselfschaft, a corporation organized and existing under the laws of GERMANY having its principal place of business at Werner-von-Siemens-Straße 1, München, 80333 heremailter "Assignee", its successors assigns and legal representatives, or to a predecessor of Assignee, pursuant to

(i) the laws of GERMANY or

(ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee the entire right including any and all priority rights, title and interest, in and for the United States and all foreign countries in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment already filed or granted for Letters Patent (in which case, if any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(8) (i) to the extent such laws of GERMANY or such Patent & Secrety Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), little and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or

(ii) If no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest;

then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro-Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives.

(i) the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions arid/or improvements which are disclosed in the following identified patent application(s), pending patent application(s) or granted Letter Patent(s). I'we hereby authorize the Assignee or its designee to insert below the information when known

Patent Application Title, CAUSE DETERMINATION OF ANOMALOUS EVENTS

Filing Date: 06 Mar 2019

Filing Number: PCT/EP2019/055518

Internal Case Number(s): 2017P20289WOUS

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(ii) in and to said application(s) or granted patents and all applications claiming phority to said application or granted patent including without limitation, all divisional, continuing, substitute renewal reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and

(iii) in and to all original and released patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements.

- agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name, and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful caths, assignments powers of attorney and other papers, communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally de everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and/or improvements and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives and improvements, in said Assignee, its successors, assigns and legal representatives and
- (3) coveriant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and properly herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Witness Signature	Hans-Henning Klos	
printed name		
Witness Signature	Christoph Paulitsch	

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Companies R Siemens Aktie	epresentative(s) ngesellschaft	
Signature(s).	1.V. 60092	; V. Red L. Berg Const
Name(s):	Knöpge\$	Rubik-Seleriorzer
Title:	Both Authorized Officers	
Date:	1 9 FEB 20	21

Docket No.: 2017P20269WOUS

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ASSIGNMENT

For good and valuable consideration, I (We),

Hans-Hanning Klos, residing at Dorfplatz 11, Weigendorf, 91249, DE, citizen of DE Christoph Paulitsch, residing at Sperberweg 15, Karlsruhe, 76199, OE, citizen of DE

hereafter individually or collectively referred to as "Assignor(s)", hereby

- (1) (A) acknowledge having previously assigned, sold and transferred to Stemens Aktiengesellschaft, a corporation organized and existing under the laws of GERMANY having its principal place of business at Werner-von-Siemens-Straße 1, München, 80333, hereinafter "Assignee", its successors, assigns and legal representatives, or to a pradecessor of Assignee, pursuant to
 - ii) the laws of GERMANY or
 - (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment already filed or granted for Letters Patent (in which case, if any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or
 - (B) (i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or
 - (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), little or interest;

then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors assigns and legal representatives.

(i) the entire right, (including all priority rights), title and interest in and for the United States and all inventions and/or improvements which are disclosed in the following identified, patent application(s), pending patent application(s) or granted Letter Patent(s). I/we hereby authorize the Assignee or its designee to insert below the information when known

Patent Application Title: CAUSE DETERMINATION OF ANOMALOUS EVENTS.

Filing Date: 05 Mar 2019

Filing Number: PCT/EP2019/056518

Internal Case Number(s): 2017P20289WOUS

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(ii) in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and

(iii) in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements:

- agree that said Assignee may apply for and receive Letters Patent for said inventions (2) and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof, and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and
- covenant with said Assignee, its successors, assigns and legal representatives that no (3) assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Witness Signature	Hans-Henning Klos	
printed name	Date	
P. W.	Cl. X1 1/1/4	******
Wilness Signature	Christoph Paulitsch	
TETRA LEUKART	050571/35	
printed name	Date	

PATENT

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Companies Representative(s)
Siemens Aktiengesellschaft
Signature(s)

Knöpges

Signature(s):

Knöpges

Both Authorized Officers

<u>19 FE8 2021</u>

PATENT REEL: 056646 FRAME: 0263

RECORDED: 06/22/2021

Date: