507040578 12/22/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7087415

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| MARKUS HAKAMO | 12/17/2021 |
| TOMI-PEKKA TAKALO | 12/20/2021 |
| PETRI KOTILAINEN | 12/14/2021 |
| PETRI HELIO | 12/20/2021 |
| TAPIO KUIRI | 12/17/2021 |

RECEIVING PARTY DATA

| Name: | COREHW SEMICONDUCTOR OY |
|-----------------|-------------------------|
| Street Address: | VISIOKATU 1 (3RD FLOOR) |
| City: | TAMPERE |
| State/Country: | FINLAND |
| Postal Code: | 33720 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17558634 |

CORRESPONDENCE DATA

Fax Number: (631)501-3526

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.

Phone: 6315015700

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Correspondent Name: CARTER, DELUCA & FARRELL LLP

Address Line 1: 576 BROAD HOLLOW ROAD

Address Line 4: MELVILLE, UNITED STATES 11747

| ATTORNEY DOCKET NUMBER: | 44585-1022 PCT US |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | ROBERT P. MICHAL |
| SIGNATURE: | /Robert P. Michal/ |
| DATE SIGNED: | 12/22/2021 |

Total Attachments: 5 source=01966026#page1.tif

PATENT 507040578 REEL: 058453 FRAME: 0666

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

| | ····· | | |
|--|--|--|--|
| TITLE OF | A CAPACITOR STRUCTURE | | |
| INVENTION: | | | |
| As the below named invento | r, I hereby declare that: | | |
| This declaration is directed to | D: | | |
| The attached application, United States application | or Or PCT international application number | filed on | |
| The above-identified applica | tion was made or authorized to be made by me. | | |
| I believe that I am the origin | al inventor or an original joint inventor of a claimed inven | ition in the application. | |
| I hereby acknowledge that ar imprisonment of not more th | y willful false statement made in this declaration is punis an five (5) years, or both. | hable under 18 U.S. C. § 1001 by fine or | |
| | /-identified Inventor, have invented certain new and usefuld in the above-identified patent application(s) and/or patent | | |
| WHEREAS, COREHW SEMICONDUCTOR OY (hereinafter "Assignee") having place of business at: Visiokatu 1 (3rd floor) 33720 Tampere, Finland, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States or its territorial possessions and in any and all foreign countries; | | | |
| NOW, this indenture witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration; | | | |
| I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee; | | | |
| And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which my issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto; | | | |
| And I further agree to sign and execute all necessary and lawful further documents, including applications for foreign patents, for filing divisions, continuations, and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense. | | | |
| The undersigned hereby grants the firm of CARTER, DELUCA & FARRELL LLP, located at 576 Broad Hollow Road, Melville, New York 11747, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. | | | |
| LEGAL NAME OF INVENTOR | Inventor: Markus HAKAMO Signature: Dawley Halisers | Date: [7, [2, 202[| |

CARTER, DELUCA & FARRELL LLP 576 BROAD HOLLOW ROAD MELVILLE, NEW YORK 11747

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

| TITLE OF | A CAPACITOR STRUCTURE | | | |
|--|---|---------------------------|--|--|
| INVENTION: | VENTION: | | | |
| As the below named inventor | As the below named inventor, I hereby declare that: | | | |
| This declaration is directed to | o: | | | |
| The attached application, United States application | or Or PCT international application number | filed on | | |
| The above-identified applicat | ion was made or authorized to be made by me. | | | |
| I believe that I am the origina | al inventor or an original joint inventor of a claimed inven | ntion in the application. | | |
| I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S. C. § 1001 by fine or imprisonment of not more than five (5) years, or both. | | | | |
| | w-identified Inventor, have invented certain new and use bed in the above-identified patent application(s) and/or page 1. | | | |
| WHEREAS, <u>COREHW SEMICONDUCTOR OY</u> (hereinafter "Assignee") having place of business at: <u>Visiokatu 1</u> (<u>3rd floor</u>) <u>33720 Tampere</u> , <u>Finland</u> , is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States or its territorial possessions and in any and all foreign countries; | | | | |
| NOW, this indenture witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration; | | | | |
| I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee; | | | | |
| And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which my issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto; | | | | |
| And I further agree to sign and execute all necessary and lawful further documents, including applications for foreign patents, for filing divisions, continuations, and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense. | | | | |
| The undersigned hereby grants the firm of CARTER, DELUCA & FARRELL LLP, located at 576 Broad Hollow Road, Melville, New York 11747, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. | | | | |
| LEGAL NAME | Inventor: Tomi-Pekka TAKALO | Date: 20.12.2021 | | |

CARTER, DELUCA & FARRELL LLP 576 BROAD HOLLOW ROAD MELVILLE, NEW YORK 11747

OF INVENTOR

Signature:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

| TITLE OF | A CAPACITOR STRUCTURE | | |
|--|---|---|--|
| INVENTION: | | | |
| As the below named invento | r, I hereby declare that: | | |
| This declaration is directed | ۵: | | |
| The attached application United States application | | filed on | |
| The above-identified application | ition was made or authorized to be made by me. | | |
| I believe that I am the origin | al inventor or an original joint inventor of a claimed inver | ntion in the application. | |
| I hereby acknowledge that a imprisonment of not more the | ny willful false statement made in this declaration is punishan five (5) years, or both. | shable under 18 U.S. C. § 1001 by fine or | |
| | w-identified Inventor, have invented certain new and useful in the above-identified patent application(s) and/or patent | | |
| WHEREAS, COREHW SEMICONDUCTOR OY (hereinafter "Assignee") having place of business at: Visiokatu 1 (3rd floor) 33720 Tampere, Finland, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States or its territorial possessions and in any and all foreign countries; | | | |
| NOW, this indenture witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration; | | | |
| I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee; | | | |
| And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which my issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto; | | | |
| And I further agree to sign and execute all necessary and lawful further documents, including applications for foreign patents, for filing divisions, continuations, and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense. | | | |
| The undersigned hereby grants the firm of CARTER, DELUCA & FARRELL LLP, located at 576 Broad Hollow Road, Melville, New York 11747, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. | | | |
| LEGAL NAME | Inventor: Petri KOTILAINEN | Date: 14.12, 2021 | |
| OF INVENTOR | C. Danger | source. | |

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| TITLE OF | A CAPACITOR STRUCTURE | | |
|--|--|---|--|
| INVENTION: | | | |
| As the below named inventor | , I hereby declare that: | | |
| This declaration is directed to | | | |
| The attached application, United States application | | filed on | |
| The above-identified applica | ion was made or authorized to be made by me. | | |
| I believe that I am the origins | l inventor or an original joint inventor of a claimed inver | rtion in the application. | |
| I hereby acknowledge that an imprisonment of not more that | y willful false statement made in this declaration is punis in five (5) years, or both. | shable under 18 U.S. C. § 1001 by fine or | |
| | -identified Inventor, have invented certain new and useful in the above-identified patent application(s) and/or pate | | |
| WHEREAS, COREHW SEMICONDUCTOR OY (hereinafter "Assignce") having place of business at: Visiokatu 1 (3rd floor) 33720 Tampere, Finland, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States or its territorial possessions and in any and all foreign countries; | | | |
| NOW, this indenture witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration; | | | |
| I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee; | | | |
| And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which my issue for said Invention to said Assignce, as assignee of the whole right, title and interest thereto: | | | |
| And I further agree to sign and execute all necessary and lawful further documents, including applications for foreign patents, for filing divisions, continuations, and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense. | | | |
| The undersigned hereby grants the firm of CARTER, DELUCA & FARRELL LLP, located at 576 Broad Hollow Road, Melville, New York 11747, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. | | | |
| RABLE NEW LOND AND A SECOND ASSET | Inventor: Petri HELIÖ Signature: Lii Heli | Date: 20.12.2021 | |

CARTER, DELUCA & FARRELL LLP 576 BROAD HOLLOW ROAD MELVILLE, NEW YORK 11747

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

| TITLE OF | A CAPACITOR STRUCTURE | | |
|---|--|--|--|
| INVENTION: | The state of the s | | |
| As the below named inventor, | I hereby declare that: | | |
| This declaration is directed to: | | | |
| ☐ United States application of | r r PCT international application number | _ filed on, | |
| | on was made or authorized to be made by me. | | |
| | inventor or an original joint inventor of a claimed inve | ention in the application. | |
| I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S. C. § 1001 by fine or imprisonment of not more than five (5) years, or both. | | | |
| WHEREAS, I, the below-identified above and described | dentified Inventor, have invented certain new and usef in the above-identified patent application(s) and/or pat | ful improvements in the Invention tent(s) (hereinafter "Invention"); | |
| WHEREAS, COREHW SEMICONDUCTOR OY (hereinafter "Assignee") having place of business at: Visiokatu 1 (3rd floor) 33720 Tampere, Finland, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Palent that may be granted therefore in the United States or its territorial possessions and in any and all foreign countries; | | | |
| NOW, this indenture witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration; | | | |
| I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filling of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee; | | | |
| And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which my issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto; | | | |
| And I further agree to sign and execute all necessary and lawful further documents, including applications for foreign patents, for filing divisions, continuations, and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense. | | | |
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| LEGAL NAME In | ventor: Tapio KUIRI | 17 17 7371 | |
| OF INVENTOR Sign | gnature: 2, 2, | Date: 17.12.2021 | |

CARTER, DELUCA & FARRELL LLP 576 BROAD HOLLOW ROAD MELVILLE, NEW YORK 11747

PATENT RECORDED: 12/22/2021 REEL: 058453 FRAME: 0672