PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7261886

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| SHIH-CHIA CHIU | 08/24/2018 |
| YEN-JU LU | 08/24/2018 |
| WEN-CHOU WU | 08/24/2018 |
| NAN-CHENG CHEN | 09/03/2018 |

RECEIVING PARTY DATA

| Name: | MEDIATEK INC. |
|-------------------|-------------------------------|
| Street Address: | NO. 1, DUSING RD. 1ST |
| Internal Address: | SCIENCE-BASED INDUSTRIAL PARK |
| City: | HSIN-CHU 300 |
| State/Country: | TAIWAN |
| Postal Code: | R.O.C. |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17713105 |

CORRESPONDENCE DATA

Fax Number: (617)646-8646

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: 6176468000

Email: rjensen@wolfgreenfield.com, ekapo@wolfgreenfield.com

Correspondent Name: ROBERT A. JENSEN

Address Line 1: WOLF, GREENFIELD & SACKS, P.C.

Address Line 2: 600 ATLANTIC AVENUE

Address Line 4: BOSTON, MASSACHUSETTS 02210

| ATTORNEY DOCKET NUMBER: | M1295.70375US01 |
|-------------------------|------------------|
| NAME OF SUBMITTER: | TRISH MCDONALD |
| SIGNATURE: | /Trish McDonald/ |
| DATE SIGNED: | 04/04/2022 |
| | |

Total Attachments: 8

PATENT REEL: 059494 FRAME: 0666

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PATENT REEL: 059494 FRAME: 0667

Title of Invention:

ANTENNA-IN-PACKAGE WITH FREQUENCY-SELECTIVE SURFACE STRUCTURE

| As the below named inventor, I here | by declare that: | | |
|---|--|--|--------|
| This declaration is directed to: | | | |
| ☑ The attached application, or | | | |
| ☐ United States application nu | mber | filed on, | or |
| ☐ PCT international application | number | filed on | |
| The above-identified application was | made or authorized to be | made by me. | |
| I believe that I am the original inventapplication. | or or an original joint inven | ntor of a claimed invention in the | |
| I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impri | l false statement made in t isonment of not more than | this declaration is punishable five (5) years, or both. | |
| In consideration of the payment by | MEDIATEK INC. | having a postal addr | ess of |
| No. 1, Dusing Rd. 1st, Science | e-Based Industrial Pa | rk, Hsin-Chu 300, Taiwan, R.O | .C. |
| (referred to as "ASSIGNEE"below) to acknowledged, andfor other good an | o I of the sum of One Dolland valuable consideration. | r (\$ 1.00), the receipt of which is her | eby |
| I hereby sell, assign and transfer to A the entire right, title and interest in ar invention as above-identified applica invention by the above application or substitutes, or extensions thereof, ar | nd to any and all improvem tion and, in and to, all Lett cany continuations, continu | nents which are disclosed in the ers Patent to be obtained for said uation-in-part, divisions, renewals, | ΞE |
| I hereby covenant that no assignment entered into which would conflict with | nt, sale, agreement or enco n this assignment; | umbrance has been or will be made o | or |
| I further covenant that ASSIGNEE w and documents relating to said inven known and accessible to I and will te related thereto and will promptly exe | ition and said Letters Pate stify as to the same in any | nt and legal equivalents as may be interference, litigation proceeding | s |
| representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her | elication, said invention and cessary or desirable to ca | d said Letters Patent and said | |
| Note: An application data sheet (PTC inventive entity, must accompany this | D/SB/14 or equivalent), inc s form. Use this form for <u>e</u> a | luding naming the entire ach additional inventor. | |

Page 1 of 8

NPO#MTK-P3271-USA:0 CUST#MTKI-18-300US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Shih-Chia Chiu

Date:

2018, 08, 24

Signature:

e: Ship-Chia Chiu

Page 2 of 8

Title of Invention:

ANTENNA-IN-PACKAGE WITH FREQUENCY-SELECTIVE SURFACE STRUCTURE

| As the below named inventor, I here This declaration is directed to: | by declare that: | | |
|---|---|---|----------------|
| ☑ The attached application, or | | | |
| ☐ United States application nu | mber | filed on | , or |
| ☐ PCT international application | n number | filed on | |
| The above-identified application was | made or authorized to b | pe made by me. | |
| I believe that I am the original invent application. | or or an original joint inve | entor of a claimed invention in the | |
| I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr | I false statement made in isonment of not more that | n this declaration is punishable an five (5) years, or both. | |
| In consideration of the payment by | MEDIATEK INC. | having a postal a | ddress of |
| No. 1, Dusing Rd. 1st, Science | e-Based Industrial P | Park, Hsin-Chu 300, Taiwan, I | R.O.C. |
| (referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar | o I of the sum of One Do nd valuable consideration | llar (\$ 1.00), the receipt of which is | hereby |
| I hereby sell, assign and transfer to a the entire right, title and interest in a invention as above-identified applica- invention by the above application of substitutes, or extensions thereof, ar | nd to any and all improve tion and, in and to, all Le r any continuations, cont | ements which are disclosed in the etters Patent to be obtained for said inuation-in-part, divisions, renewals | j s. |
| I hereby covenant that no assignment entered into which would conflict with | nt, sale, agreement or en h this assignment; | cumbrance has been or will be ma | de or |
| I further covenant that ASSIGNEE w and documents relating to said inver known and accessible to I and will te related thereto and will promptly exe | ntion and said Letters Pa estify as to the same in a | tent and legal equivalents as may l ny interference, litigation proceedin | be |
| representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be no IN WITNESS WHEREOF, I have her | olication, said invention a ecessary or desirable to d | nd said Letters Patent and said carry out the proposes thereof. | |
| Note: An application data sheet (PTG inventive entity, must accompany thi | D/SB/14 or equivalent), in s form. Use this form for | ncluding naming the entire each additional inventor. | |

Page 3 of 8

NPO#MTK-P3271-USA:0 CUST#MTKI-18-300US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Yen-Ju Lu

Date: 2018.8.24

Signature: Fin - Tin

Page 4 of 8

NPO#MTK-P3271-USA:0 CUST#MTKI-18-300US

Title of Invention:

ANTENNA-IN-PACKAGE WITH FREQUENCY-SELECTIVE SURFACE STRUCTURE

| As the below named inventor, I here This declaration is directed to: | by declare that: | | |
|---|---|---|---------------------|
| ☑ The attached application, or | | | |
| ☐ United States application nu | mber | filed on | , or |
| ☐ PCT international application | n number | filed on | |
| The above-identified application was | made or authorized to be m | ade by me. | |
| I believe that I am the original invent application. | or or an original joint inventor | of a claimed invention in the | he |
| I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr | I false statement made in this isonment of not more than fiv | declaration is punishable (6) years, or both. | |
| In consideration of the payment by | MEDIATEK INC. | having a post | tal address of |
| No. 1, Dusing Rd. 1st, Science | e-Based Industrial Park | , Hsin-Chu 300, Taiwa | n, R.O.C. |
| (referred to as "ASSIGNEE"below) to acknowledged, and for other good an | o I of the sum of One Dollar (d valuable consideration. | \$ 1.00), the receipt of which | า is hereby |
| I hereby sell, assign and transfer to A the entire right, title and interest in an invention as above-identified applica invention by the above application of substitutes, or extensions thereof, an | nd to any and all improvemer tion and, in and to, all Letters rany continuations, continuat | ats which are disclosed in the Patent to be obtained for stillion-in-part, divisions, renew | he said wals. |
| I hereby covenant that no assignment entered into which would conflict with | nt, sale, agreement or encum n this assignment; | brance has been or will be | made or |
| I further covenant that ASSIGNEE w and documents relating to said inver known and accessible to I and will te related thereto and will promptly exe | tion and said Letters Patent a stify as to the same in any in | and legal equivalents as materierence, litigation procee | av be |
| representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her | lication, said invention and s cessary or desirable to carry | aid Letters Patent and said out the proposes thereof. | |
| Note: An application data sheet (PTC inventive entity, must accompany this | | | |

Page 5 of 8

NPO#MTK-P3271-USA:0 CUST#MTKI-18-300US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Wen-Chou Wu

Date:

2018-08,24

Signature:

\$ 2rd Wen Chon Ww

Page 6 of 8

NPO#MTK-P3271-USA:0 CUST#MTKI-18-300US F#NPO-P0002E-US1201 DSB0-107U021994

PATENT REEL: 059494 FRAME: 0673

Title of Invention:

ANTENNA-IN-PACKAGE WITH FREQUENCY-SELECTIVE SURFACE STRUCTURE

| As the below named inventor, I hereby declare that: This declaration is directed to: | | |
|--|--|------------------------|
| ☑ The attached application, or | | |
| ☐ United States application number | filed on | , or |
| ☐ PCT international application number | filed on | |
| The above-identified application was made or authorize | ed to be made by me. | 7,000 |
| I believe that I am the original inventor or an original jo application. | oint inventor of a claimed invention in | the |
| I hereby acknowledge that any willful false statement under18 U.S.C. 1001 by fine or imprisonment of not m | made in this declaration is punishable nore than five (5) years, or both. | е |
| In consideration of the payment by MEDIATEK IN | C. having a po | stal address of |
| No. 1, Dusing Rd. 1st, Science-Based Indus | trial Park, Hsin-Chu 300, Taiw | an, R.O.C. |
| (referred to as "ASSIGNEE"below) to I of the sum of C acknowledged, andfor other good and valuable considerable considerab | one Dollar (\$ 1.00), the receipt of white retains. | ich is hereby |
| I hereby sell, assign and transfer to ASSIGNEE and the entire right, title and interest in and to any and all interest in an and to any and all interest in an and to invention as above-identified application and, in and to invention by the above application or any continuation substitutes, or extensions thereof, and as to Letters Page 1. | mprovements which are disclosed in b, all Letters Patent to be obtained fo s. continuation-in-part, divisions, ren | the r said ewals |
| I hereby covenant that no assignment, sale, agreemer entered into which would conflict with this assignment; | nt or encumbrance has been or will b | e made or |
| I further covenant that ASSIGNEE will, upon its request and documents relating to said invention and said Lett known and accessible to I and will testify as to the san related thereto and will promptly execute and deliver to | ers Patent and legal equivalents as ne in any interference, litigation proc | mav be |
| representatives any and all papers, instruments or affirmaintain, issue and enforce said application, said inve equivalents thereof which may be necessary or desira IN WITNESS WHEREOF, I have hereunto set hand an | ntion and said Letters Patent and sa ble to carry out the proposes thereof | id : |
| Note: An application data sheet (PTO/SB/14 or equiva | lent), including naming the entire | |

Page 7 of 8

inventive entity, must accompany this form. Use this form for each additional inventor.

NPO#MTK-P3271-USA:0 CUST#MTKI-18-300US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Nan-Cheng Chen

Date:

2018

Signature:

Page 8 of

F#NPO-P0002E-US1201 DSB0-107U021994

PATENT REEL: 059494 FRAME: 0675

NPO#MTK-P3271-USA:0 CUST#MTKI-18-300US