

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|---|-----------------------|---------------|----------------|---------------------|-----------------------|------------|------------|----------------|---------|--------------|-------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Pekka Ikonen</td> <td>04/29/2013</td> </tr> <tr> <td>Juha Ellae</td> <td>05/06/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Pekka Ikonen | 04/29/2013 | Juha Ellae | 05/06/2013 | | | | |
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| Pekka Ikonen | 04/29/2013 | | | | | | | | | | |
| Juha Ellae | 05/06/2013 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>EPCOS AG</td> </tr> <tr> <td>Street Address:</td> <td>St.-Martin-Strasse 53</td> </tr> <tr> <td>City:</td> <td>Muenchen</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>81669</td> </tr> </table> | | Name: | EPCOS AG | Street Address: | St.-Martin-Strasse 53 | City: | Muenchen | State/Country: | GERMANY | Postal Code: | 81669 |
| Name: | EPCOS AG | | | | | | | | | | |
| Street Address: | St.-Martin-Strasse 53 | | | | | | | | | | |
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| State/Country: | GERMANY | | | | | | | | | | |
| Postal Code: | 81669 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13879396</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13879396 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13879396 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: 9727329218 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 972-732-1001 Email: docketing@slater-matsil.com Correspondent Name: Slater & Matsil, L.L.P. Address Line 1: 17950 Preston Rd. Address Line 2: Suite 1000 Address Line 4: Dallas, TEXAS 75252</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | EPC-227 | | | | | | | | | | |
| NAME OF SUBMITTER: | Courtney Danglade | | | | | | | | | | |
| Signature: | /Courtney Danglade/ | | | | | | | | | | |
| Date: | 06/28/2013 | | | | | | | | | | |

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Total Attachments: 4

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ASSIGNMENT

For good and valuable consideration, I, **Pekka Ikonen**, residing at Tahkorinne 15 A, 02760 Espoo, Finland, a citizen of Finland; **Juha Ellae**, residing at Kaaeriaeiseentie 5, 24800 Halikko, Finland, a citizen of Finland;

hereby sell, assign, and transfer to **EPCOS AG**, a corporation organized and existing under the laws of Germany, having its principal place of business at St.-Martin-Strasse 53, 81669, Muenchen, Germany;

hereinafter "Assignee," its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewithin, and is entitled:

Antenna and RF Front-end Arrangement

and in and to said application and 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 said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that Assignee may apply for and receive Letters Patent for said improvements in its own name, and that, when requested, without charge to but at the expense of said Assignee, their successors, assigns, and legal representatives to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all

applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no 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.

Date: 29 April 2013


Pekka Ikonen

Date: _____

Juha Ellac

ASSIGNMENT

For good and valuable consideration, I, **Pekka Ikonen**, residing at Tahkorinne 15 A, 02760 Espoo, Finland, a citizen of Finland; **Juha Ellae**, residing at Kaeaeriaeisentie 5, 24800 Halikko, Finland, a citizen of Finland;

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Date: _____

Pekka Ikonen

Date: 6th of May 2013


Juha Ellä