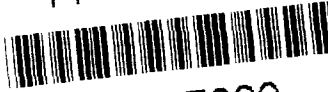


11-10-2005



To the Honorable Commissioner of Patents

103117320

Please record the attached original documents or copy thereof.

113256 U.S. PTO  
11/265442

110205

## 1. Name of conveying party(ies):

1. **Hoon Lee**
2. **Tirdad Sowlati**

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies)

Name: **Skyworks Solutions, Inc.**  
 Street Address: **5221 California Avenue**  
**Irvine, California 92617**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ **Assignment** ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date(s): **1. October 21, 2005; 2. October 21, 2005**

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

**1. October 21, 2005; 2. October 21, 2005**

A. Patent application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

**Robert A. Blaha**  
**SMITH FROHWEIN TEMPEL GREENLEE BLAHA LLC**  
**P.O. Box 88148**  
**Atlanta, Georgia 30356**

## 6. Total number of applications/patents involved: [ 1 ]

## 7. Total fee (37 CFR 3.41) \$ 40.00

☐ Enclosed☒ Authorization to charge credit card (attached)

## 8. Deposit Account Number: 50-3479

(Attach duplicate copy of this page if paying by Deposit Account)

**DO NOT USE THIS SPACE**

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**Robert A. Blaha - 43,502**

Typed Name

  
 Signature

*November 2, 2005*  
 Date

Docket #: **19308.0052U1**Total number of pages including cover sheet, attachments, and document: **[5]**

Mail documents to be recorded with required cover sheet information to:

**Mail Stop Assignment**  
**Commissioner of Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313**

11/07/2005 RMEBRAHT 00000041 11265442

01 FC:8021

(40.00 OP)

**ASSIGNMENT  
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

| <u>Name</u>    | <u>Address</u>                   |
|----------------|----------------------------------|
| Hoon Lee       | 5 Leucadia, Irvine, CA 92602     |
| Tirdad Sowlati | 45 Del Cambrea, Irvine, CA 92606 |

hereinafter referred to as ASSIGNOR, has invented certain new and useful improvements ("inventions") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**CIRCUIT AND METHOD FOR DIGITAL PHASE FREQUENCY ERROR  
DETECTION**

which was:

- ☒ executed on even date herewith,
- ☐ filed with the United States Patent and Trademark Office (USPTO) on \_\_\_\_\_, and assigned Serial No. \_\_\_\_\_, and
- ☐ further described in U.S. Provisional application entitled \_\_\_\_\_, filed with the USPTO on \_\_\_\_\_, and assigned Serial No. \_\_\_\_\_.

*Note: Only one of the first two checkboxes will be checked. The third checkbox will be checked, only if appropriate.*

WHEREAS, Skyworks Solutions, Inc., having a place of business at 5221 California Avenue, Irvine, California 92617, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and

transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation in part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

  
HOON LEE

Date: 10/21/05

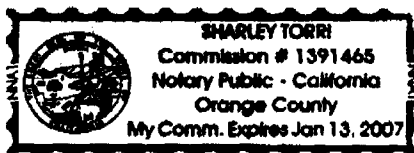
United States of America

State of CALIFORNIA

County of ORANGE

On this 21<sup>st</sup> day of October, 2005, before me personally came  
Hoon Lee, to me known to be the individual described above and who executed the foregoing  
instrument, or acknowledged execution of the same.

  
Notary Public



January 13, 2007  
My Commission Expires (Date)

Tirdad Sowlati  
TIRDAD SOWLATI

Date: 10/21/05

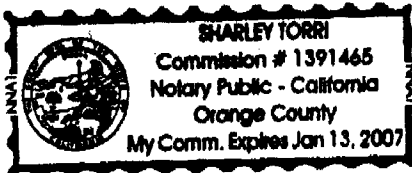
United States of America

State of CALIFORNIA

County of ORANGE

On this 21<sup>ST</sup> day of October, 2005, before me personally came  
Tirdad Sowlati, to me known to be the individual described above and who executed the  
foregoing instrument, or acknowledged execution of the same.

Sharley Torri  
Notary Public



January 13, 2007  
My Commission Expires (Date)