

05-26-2005

Form PTO-1595
(Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/2002)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

1.03009838

To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

5002.S

1. Name of conveying party(ies):

Jingmin Zheng
David B. Cruickshank
David J. Cronin
David A. Tolino

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

2. Name and address of receiving party(ies)

Name: **Skyworks Solutions, Inc.**
Internal Address: _____

Street Address: **5221 California Avenue**

City: **Irvine** State: **CA** Zip: **92617**

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other:

Execution Date: **May 19, 2005**

112991 U.S. PTO
11133960

052005

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: **May 19, 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:

Name: **Michael Farjami, Esq.**

Internal Address: **Farjami & Farjami LLP**

Street Address: **26522 La Alameda Ave., Suite 360**

City: **Mission Viejo** State: **California** Zip: **92691**

6. Total number of applications and patents involved: **1**

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

Enclosed (Payment by Credit Card Form PTO-2038 enclosed)

Underpayment or Overpayment is Authorized to be Charged or Credited to Deposit Account

8. Deposit account number:

50-0731

(Attach duplicate copy of this page if paying by deposit account)

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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.

Michael Farjami, Esq.

Name of Person Signing

[Signature]
Signature

5/20/05
Date

Total number of pages including cover sheet, attachments, and documents: **4**

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT
REEL: 016589 FRAME: 0840

ASSIGNMENT

WHEREAS, WE , (1) Jingmin Zheng; (2) David B. Cruickshank; (3) David J. Cronin; and (4) David A. Tolino residing at (1) Trans-Tech Inc 5520 Adenotown Road Adenotown MD (2) Trans-Tech Inc 5520 Adenotown Rd, Adenotown MD; (3) Trans-Tech Inc 5520 Adenotown Rd, Adenotown MD; and (4) Trans-Tech Inc 5520 Adenotown Rd Adenotown MD have invented certain new and useful improvements disclosed in an application for United States Letters Patent titled Dielectric Ceramic Composition Having Wide Sintering Temperature Range and Reduced Exaggerated Grain Growth, filed herewith;

AND WHEREAS SKYWORKS SOLUTIONS, INC., a Delaware corporation (hereinafter, together with any successors, legal representatives of assigns thereof, called "Assignee"), wants to acquire the entire right, title, and interest in and to said improvements and application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee the entire right, title, and interest in and to said improvements, and said application and all divisions, substitutions, continuations and continuations-in-part thereof, and all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, inventor(s) certificates, and the like), heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all extensions, renewals, and reissues thereof) granted for said improvements in any foreign countries; and WE hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to Assignee in accordance with the terms of this assignment;

AND WE HEREBY covenant that WE have full right to convey the entire interest herein assigned, and that WE have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that WE will communicate to Assignee any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, WE hereunto set my hand this 19 day of May, 2005

Jingmin Zheng
Jingmin Zheng

STATE OF Maryland)
COUNTY OF Frederick) SS.

On May 19, 2005, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared Jingmin Zheng, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature [Signature]

IN TESTIMONY WHEREOF, WE hereunto set my hand this 19th day of May, 2005

[Signature]
David B. Cruickshank

STATE OF Maryland)
COUNTY OF Frederick) SS.

On May 19, 2005, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared David B. Cruickshank, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature [Signature]

IN TESTIMONY WHEREOF, WE hereunto set my hand this 19 day of May, 2005

David J. Cronin
David J. Cronin

STATE OF Maryland)
COUNTY OF Frederick) SS.

On May 19, 2005, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared David J. Cronin, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature [Handwritten Signature]

IN TESTIMONY WHEREOF, WE hereunto set my hand this 19 day of MAY, 2005

David A. Tolino
David A. Tolino

STATE OF Maryland)
COUNTY OF Frederick) SS.

On May 19, 2005, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared David Tolino, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature [Handwritten Signature]